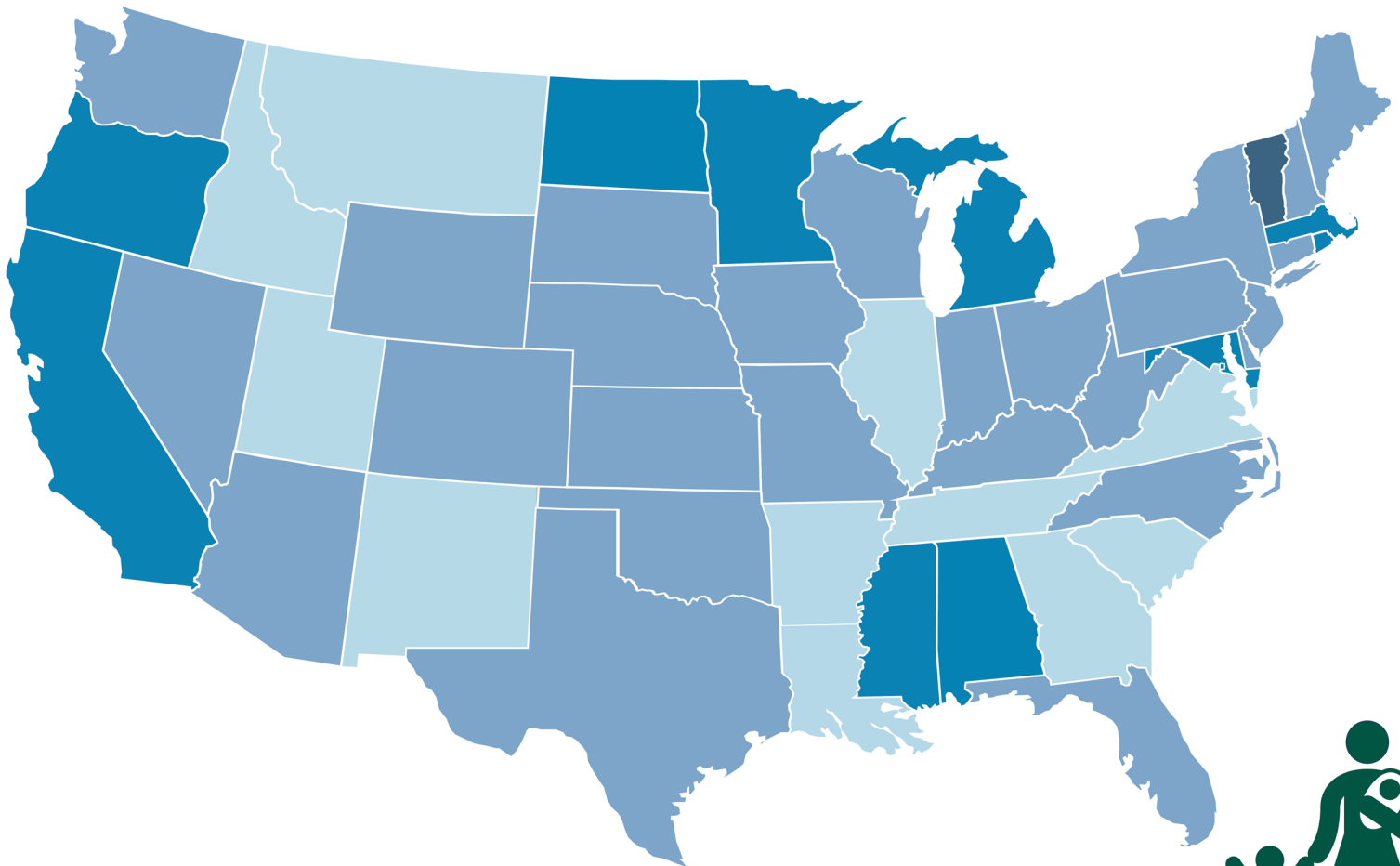




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Appendix A. Detailed Tables for National-Level WIC Estimates: CY 2019

The tables in appendix A present detailed information on the 2019 national-level estimates of eligibility for the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) by participant category. The tables document the assumptions and calculations used to produce the national estimates and provide more detailed breakdowns of the estimates by participant category. Several of the tables include the same information provided in volume I. These tables are repeated to provide a comprehensive record of all methods and estimates used for 2019. Unless otherwise indicated, all the tables that show national data provide information for individuals in the 50 States, the District of Columbia, and Puerto Rico and the other four U.S. territories served by WIC. A description of each table follows.

Table A.1. Steps, Data Sources, Methods, and Adjustment Factors Used for Estimates of WIC Eligibility: CY 2019

This table summarizes the data sources, methods, and adjustment factors used to estimate WIC eligibility for infants, children, and pregnant and postpartum women. The following data sources were used for the 2019 estimates: (1) 2020 Current Population Survey Annual Social and Economic Supplement (CPS-ASEC) data (U.S. Census Bureau, n.d.a); (2) American Community Survey (ACS) and Puerto Rico Community Survey (PRCS) data (The Integrated Public Use Microdata Series-USA [IPUMS-USA], n.d.); (3) U.S. Census Bureau International Data Base (IDB) data (U.S. Census Bureau, n.d.b); and (4) National Vital Statistics data (National Center for Health Statistics, n.d.).¹

Table A.2. Estimated Average Monthly Number of Individuals Eligible for WIC by Participant Category: CY 2019

This table shows the estimated average monthly number of individuals eligible for WIC by participant category in calendar year (CY) 2019 and each group as a percentage of the total number eligible. It also provides the total population in each participant category and the eligibility rate, which is defined as the percentage of the total population in each category that is estimated to be eligible for WIC.

Table A.3a. Four-Year Accumulations of U.S. Census Bureau Estimates and CPS-ASEC Estimates for Infants and Children by Year of Age, Race, and Gender: March 2017–March 2020

This table provides more detail on the adjustment of sampling weights for infants and children in the CPS-ASEC data (as referenced in the second row of table A.1 (U.S. Census Bureau, n.d.a). For each year of age (ages 0, 1, 2, 3, and 4) and each of four race and ethnicity groups (White-Only, Not Hispanic; Black-Only, Not Hispanic; Two or More Races or Other Race, Not Hispanic; and Hispanic/Latino) the table shows the 4-year accumulation of U.S. Census Bureau population estimates (U.S. Census Bureau, 2020b); the 4-year accumulation of the March CPS-ASEC total weighted population (U.S. Census Bureau, n.d.a); and the ratio of those two figures. For example, for the 2019 estimates, that ratio was used as the weight adjustment when the direction of the difference between the March 2020 Census Bureau population estimate and the CPS weighted count (see table A.3b) was the same as for the 4-year accumulations presented in table A.3a (i.e., if the Census Bureau figure was either greater or smaller in both cases). If the direction of the difference was not the same for a particular group, no weight adjustment was performed (i.e., the weight adjustment factor was 1.0). Table A.3c shows the final results of applying the population adjustment factors (computed based on the information in tables A.3a and A.3b).

¹ The following terms are used in table A.1 and appear again in this volume; they are defined here for clarity: Supplemental Nutrition Assistance Program (SNAP); Temporary Assistance for Needy Families (TANF).

Table A.3b. U.S. Census Bureau Estimates and CPS-ASEC Estimates for Infants and Children by Year of Age, Race and Hispanic Ethnicity, and Gender: March 2020

This table shows the Census Bureau population estimates and CPS weighted population figures by year of age, race and Hispanic ethnicity, and gender, and the ratio of Census Bureau estimates to CPS figures (U.S. Census Bureau, 2020b; see the description of table A.3a for an explanation of how this information was used in the weight-adjustment process).

Table A.3c. Effects of Applying Population Adjustment Factors to Population Counts for Infants and Children in the CPS-ASEC by Year of Age, Race and Hispanic Ethnicity, and Gender: March 2020

This table shows the results of applying the population adjustment factors (computed based on the information in tables A.3a and A.3b) to the weights for infants and children in the March CPS-ASEC data.

Table A.4. Breastfeeding Adjustment Factor Calculations for Postpartum Women Eligible for WIC: CY 2005–CY 2019

This table shows information on the computation of postpartum eligibility for breastfeeding and non-breastfeeding mothers. The first three sections of the table show three breastfeeding rates based on National Immunization Survey (NIS) data from the Centers for Disease Control and Prevention (CDC)—the percentage of new mothers breastfeeding their infants in the hospital after giving birth (the percentage ever breastfed), at 6 months postpartum, and at 12 months postpartum—with variations by race and Hispanic ethnicity.

The next section of the table shows three adjustment factors. The first factor adjusted for the fact that the number of pregnant and postpartum women can differ from the number of infants because of the combined impact of multiple births and infant deaths. The second factor adjusted for the fact that (prior to 2014) the analysis assumed some breastfeeding mothers lost eligibility at the 6-month point because they were no longer income-eligible or adjunctively income-eligible; this factor changed gradually from 0.94 in 2005 to 1.0 for 2014 through 2019. The final factor was used to estimate average monthly breastfeeding rates; that is, the average monthly rate across the first 6 months was assumed to be equal to the mean of the ever-breastfed and 6-month rates multiplied by this factor. This factor, 0.87, was assumed to be constant across the years presented in this report.

The last section of the table shows the final postpartum adjustment factors produced using the information in the prior portions of the table. For each year, the factors are shown for estimating breastfeeding and non-breastfeeding eligibility for each race and ethnicity group. For example, for Hispanic/Latino women in 2019, the estimated average monthly number of women eligible for WIC as breastfeeding mothers was computed as 0.4933 times the estimated number of Hispanic/Latino infants eligible for WIC.

Table A.5. Step-by-Step Adjustments Applied to CPS-ASEC Data to Derive the Average Monthly Number of Individuals Eligible for WIC by Participant Category: CY 2019

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 were eligible for WIC in the United States in 2019; it also shows the total number eligible in Puerto Rico and each of the other four U.S. territories served by WIC. See tables B.7a and B.7b for the step-by-step adjustments made to derive the total number of individuals eligible for WIC in Puerto Rico and each of the other territories, respectively.

Tables A.6a and A.6b. Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility: CY 2019

These tables show the estimates of infants and children eligible for WIC by demographic and income characteristics in the 2020 March CPS-ASEC. Note that these tables do not include infants and children in Puerto Rico and the other U.S. territories. Tables A.6a1 and A.6a2 show the characteristics of infants and children eligible for WIC in the data as determined by using unadjusted person weights, and tables A.6b1 and A.6b2 show these characteristics as determined by using weights that have been fully adjusted, including adjustments for the CPS undercount/overcount (population adjustment), monthly income and certification periods (annual-to-monthly adjustment), and nutritional risk. A comparison of table A.6a and table A.6b shows the impact of the CPS weight adjustments on the national estimates of infants and children eligible for WIC.

Results are also shown in terms of counts (see tables A.6a1 and A.6b1) and percentages (see tables A.6a2 and A.6b2). For example, A.6b1 shows that with the adjusted weights, 790,002 male infants and 803,687 female infants were eligible for WIC in an average month in 2019; A.6b2 shows that among infants eligible for WIC, 49.6 percent were male and 50.4 percent were female.

Table A.7. Changes in the Total Population, Total WIC Eligibility, and WIC Eligibility Rates by Participant Category: CY 2018–CY 2019

This table shows the changes in the numbers of individuals in the total population, the population eligible for WIC, and the WIC eligibility rate by participant category between 2018 and 2019.

Table A.8. Stepwise Comparison of Changes in Average Monthly Numbers of Infants and Children Eligible for WIC as Estimated in the March CPS-ASEC: CY 2018–CY 2019

This table shows the step-by-step percentage changes in the numbers of infants and children from 2018 to 2019 (excluding Puerto Rico and the other U.S. territories). For example, it shows that the number of infants and children eligible for WIC through adjunctive income eligibility increased by 3.1 percent between 2018 and 2019.

Table A.9. Standard Error and Coefficient of Variation for Estimates by Participant Category: CY 2019

This table shows the standard error of the estimate and coefficient of variance for the national estimates of the total population of women, infants, and children and the number of individuals eligible for WIC by participant category.

Table A.1. Steps, Data Sources, Methods, and Adjustment Factors Used for Estimates of WIC Eligibility: CY 2019

Step	Data Source(s)	Methods and Adjustment Factors	
Infants and Children			
Demographic eligibility	2020 CPS-ASEC, National estimates 2019 ACS, State estimates 2019 PRCS, Puerto Rico estimates 2019 IDB, Other island territories estimates	Identify individuals aged 0, 1, 2, 3, and 4 in each survey.	
Weight adjustment	- National estimates - Postcensal population estimates from Census Bureau and March CPS-ASEC for 2017, 2018, 2019, and 2020 - State and Puerto Rico estimates - Postcensal population estimates from Census Bureau for July 2019	Adjust sampling weights to account for undercount or overcount in CPS estimates, relative to Census Bureau estimates by year, of age, gender, and four race/ethnic categories (White-Only, Not Hispanic; Black-Only, Not Hispanic; Two or More Races or Other Race, Not Hispanic; and Hispanic/Latino).	
		Adjustment Factors for Females	Adjustment Factors for Males
		- Infants - White-Only, Not Hispanic: 0.9963 - Black-Only, Not Hispanic: 1.0456 - Two or More Races or Other Race, Not Hispanic: 1.0000 - Hispanic/Latino: 1.0030 1-year-old children - White-Only, Not Hispanic: 0.9835 - Black-Only, Not Hispanic: 1.0000 - Two or More Races or Other Race, Not Hispanic: 0.8448 - Hispanic/Latino: 1.0000 2-year-old children - White-Only, Not Hispanic: 1.0000 - Black-Only, Not Hispanic: 1.0000 - Two or More Races or Other Race, Not Hispanic: 0.9333 - Hispanic/Latino: 1.0133 3-year-old children - White-Only, Not Hispanic: 1.0000 - Black-Only, Not Hispanic: 0.9729 - Two or More Races or Other Race, Not Hispanic: 0.9174 - Hispanic/Latino: 1.0000 4-year-old children - White-Only, Not Hispanic: 1.0065 - Black-Only, Not Hispanic: 0.9989 - Two or More Races or Other Race, Not Hispanic: 1.0000 - Hispanic/Latino: 1.0045	- Infants - White-Only, Not Hispanic: 1.0229 - Black-Only, Not Hispanic: 1.1327 - Two or More Races or Other Race, Not Hispanic: 1.0000 - Hispanic/Latino: 1.0057 1-year-old children - White-Only, Not Hispanic: 1.0000 - Black-Only, Not Hispanic: 0.9113 - Two or More Races or Other Race, Not Hispanic: 0.8944 - Hispanic/Latino: 1.0317 2-year-old children - White-Only, Not Hispanic: 1.0000 - Black-Only, Not Hispanic: 0.9763 - Two or More Races or Other Race, Not Hispanic: 0.9999 - Hispanic/Latino: 1.0060 3-year-old children - White-Only, Not Hispanic: 1.0000 - Black-Only, Not Hispanic: 1.0997 - Two or More Races or Other Race, Not Hispanic: 0.9872 - Hispanic/Latino: 1.0055 4-year-old children - White-Only, Not Hispanic: 0.9967 - Black-Only, Not Hispanic: 0.9934 - Two or More Races or Other Race, Not Hispanic: 1.0799 - Hispanic/Latino: 1.0000

Step	Data Source(s)	Methods and Adjustment Factors
Income eligibility	2020 CPS-ASEC, National estimates 2019 ACS, State estimates 2019 PRCS, Puerto Rico estimates 2019 IDB, Other island territories estimates - Blended 2018 and 2019 FPGs	Count as eligible if prior year's annual income was $\leq$ 185 percent of the Federal Poverty Guidelines.
Adjunctive income eligibility	2020 CPS-ASEC 2019 ACS 2019 PRCS	Add in as eligible those infants and children in families who reported participating in Medicaid, SNAP, or TANF at any point during the prior calendar year.
Adjust for fluctuations in monthly income and certification periods	Average of factors for 2014 and 2015, as computed from 2014 Survey of Income and Program Participation panel	Adjust estimates to account for impact of monthly fluctuations in income and program participation and for impact of 6- and 12-month certification periods.^a - Infants adjustment factor (used for estimates from PRCS and IDB data): 1.0593 - Infants adjustment factors by race and ethnicity (used for estimates from CPS-ASEC and ACS data) - White-Only, Not Hispanic: 1.1110 - All others: 1.0141 - Children adjustment factor assuming 12-month certification periods (used for estimates from PRCS and IDB data): 1.0681 - Children adjustment factors by race and ethnicity (used for estimates from CPS-ASEC data) - White-Only, Not Hispanic: 1.1126 - All others: 1.0326
Adjust for nutritional risk	CNSTAT panel	Multiply infant and child estimates by factor to account for otherwise eligible infants and children who might not be at nutritional risk. - Adjustment factors - Infants: 0.9700 - Children: 0.9900
Pregnant and Postpartum Women		
Starting point	Infants as estimated using methods outlined earlier in table	Use as a starting point the final average monthly eligibility estimate for infants.
Adjust for multiple births and infant deaths	Average of 3 years of CDC National Vital Statistics data (i.e., 2015–2017 Births: Final Data, 2014–2016 Period Linked Birth–Infant Death Data Files, 2014–2016 Fetal Death Data Files)	Multiply by factor to account for impact of multiple births and infant deaths (so the number of pregnant women/mothers is not exactly equal to the number of infants). - Adjustment factors - White-Only, Not Hispanic: 0.9911 - Black-Only, Not Hispanic: 1.0019 - Two or More Races or Other Race, Not Hispanic: 0.9944 - Hispanic/Latino: 0.9977

Step	Data Source(s)	Methods and Adjustment Factors
For pregnant women: Adjust for length of pregnancy and income during pregnancy	2004, 2008, and 2014 panels of Survey of Income and Program Participation data	Multiply by combined factor to account for (1) 9 months of pregnancy (0.75 factor), and (2) lower likelihood of financial eligibility during pregnancy versus after birth (0.91 factor). Combined adjustment factor: 0.6825
For postpartum women: Adjust for breastfeeding status	CDC NIS breastfeeding rates computed for 2017 birth cohort (NIS survey years 2018 and 2019)	Multiply by factors to estimate average monthly women eligible for WIC as breastfeeding women (0 < 12 months postpartum) or non-breastfeeding women (< 6 months postpartum). Separate State-level breastfeeding adjustments are used for the ACS data. ■ Breastfeeding (used for estimates from PRCS and IDB data): 0.4629 ■ Breastfeeding by race and ethnicity (used for estimates from CPS-ASEC) – White-Only, Not Hispanic: 0.4695 – Black-Only, Not Hispanic: 0.3904 – Two or More Races or Other Race, Not Hispanic: 0.4677 – Hispanic/Latino: 0.4933 ■ Non-breastfeeding (used for estimates from PRCS and IDB data): 0.2265 ■ Non-breastfeeding by race and ethnicity (used for estimates from CPS-ASEC) – White-Only, Not Hispanic: 0.2248 – Black-Only, Not Hispanic: 0.2619 – Two or More Races or Other Race, Not Hispanic: 0.2242 – Hispanic/Latino: 0.2103
Adjust for nutritional risk	CNSTAT panel	Multiply estimates for pregnant and postpartum women by factor to account for some otherwise eligible women who may not have been at nutritional risk. The estimates assume all postpartum women were at nutritional risk. Adjustment factors: Pregnant women: 0.97; Postpartum women: 1.0

Note: CDC NIS breastfeeding rates are based on unpublished internal CDC data. Adjustment factors shown in this table were used to produce estimates of eligible individuals. When applicable, the same adjustment factors were used to produce estimates of the total population; as a result of differences in breastfeeding rates, adjustment factors differed for mothers eligible for WIC and the total population of mothers.

ACS = American Community Survey; CDC = Centers for Disease Control and Prevention; CNSTAT = Committee on National Statistics; CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year; IDB = International Data Base; NIS = National Immunization Survey; PRCS = Puerto Rico Community Survey

^a An adjustment factor for the total number of children (1.0652) was also calculated but not used for any adjustment. The separate adjustment factors by race and ethnicity were used for the estimates.

Sources: The data sources listed in this table are as follows, in order of mention: for 2020 CPS-ASEC data, see U.S. Census Bureau, n.d.a; for 2019 ACS and PRCS data, see IPUMS-USA, n.d.; for 2019 IDB data, see U.S. Census Bureau, n.d.b; for July 2019 postcensal population estimate data, see U.S. Census Bureau, 2020a, 2020b, 2020c; for WIC income eligibility criteria, see 7 C.F.R. § 246; for 2018 Federal Poverty Guidelines, see HHS, 2018; for 2019 Federal Poverty Guidelines, see HHS, 2019; for 2014–2017 National Vital Statistics data, see National Center for Health Statistics, n.d.; for 2004, 2008, and 2014 Survey of Income and Program Participation panel data, see U.S. Census Bureau, n.d.c; for the Committee on National Statistics panel data, see Ver Ploeg & Betson, 2003.

Table A.2. Estimated Average Monthly Number of Individuals Eligible for WIC by Participant Category: CY 2019

Participant Category	Number Eligible	Percent of Total Eligible	Total Population	Eligibility Rate
Infants	1,617,143	14.7	3,736,739	43.3
Children	7,199,043	65.5	15,805,699	45.5
1-year-old children	1,696,150	15.4	3,866,196	43.9
2-year-old children	1,793,823	16.3	3,931,383	45.6
3-year-old children	1,781,576	16.2	3,963,295	45.0
4-year-old children	1,927,494	17.5	4,044,826	47.7
Women	2,174,906	19.8	6,504,274	33.4
Pregnant women	1,066,052	9.7	2,787,546	38.2
Postpartum women	1,108,854	10.1	3,716,728	29.8
Breastfeeding women	742,473	6.8	2,020,722	36.7
Non-breastfeeding women	366,381	3.3	1,696,005	21.6
Total	10,991,092	100.0	26,046,712	42.2

Note: The total population consists of individuals in the 50 States, the District of Columbia, Puerto Rico, and the other U.S. territories served by WIC in each participant category. The eligibility rate is the ratio of the total number of individuals eligible for WIC to the total population in each participant category. The average monthly population of postpartum women includes all women who gave birth less than 1 year prior, even if they are not categorically eligible for WIC because they are more than 6 months postpartum and are not breastfeeding.

CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b

Table A.3a. Four-Year Accumulations of U.S. Census Bureau Estimates and CPS-ASEC Estimates for Infants and Children by Year of Age, Race and Hispanic Ethnicity, and Gender: March 2017–March 2020

Participant Category	Females					Males					Total				
	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
Infants	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	3,714,971	1,033,352	787,987	1,949,786	7,486,096	3,910,312	1,067,583	827,749	2,033,662	7,839,306	7,625,283	2,100,935	1,615,736	3,983,448	15,325,402
CPS estimate	3,728,663	916,091	747,096	1,942,110	7,333,960	3,822,678	942,502	852,489	2,022,159	7,639,828	7,551,341	1,858,592	1,599,585	3,964,270	14,973,788
Ratio of Census estimate to CPS estimate	0.9963	1.1280	1.0547	1.0040	1.0207	1.0229	1.1327	0.9710	1.0057	1.0261	1.0098	1.1304	1.0101	1.0048	1.0235
1-year-old children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	3,767,633	1,051,374	806,429	1,981,860	7,607,296	3,972,069	1,080,050	846,686	2,064,355	7,963,160	7,739,702	2,131,424	1,653,115	4,046,215	15,570,456
CPS estimate	3,831,005	1,206,613	954,566	2,032,022	8,024,206	3,960,484	1,234,134	949,490	2,000,936	8,145,044	7,791,489	2,440,747	1,904,056	4,032,958	16,169,250
Ratio of Census estimate to CPS estimate	0.9835	0.8713	0.8448	0.9753	0.9480	1.0029	0.8751	0.8917	1.0317	0.9777	0.9934	0.8733	0.8682	1.0033	0.9630
2-year-old children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	3,824,021	1,069,794	830,361	2,013,333	7,737,509	4,033,124	1,097,102	871,874	2,094,793	8,096,893	7,857,145	2,166,896	1,702,235	4,108,126	15,834,402
CPS estimate	3,810,210	1,080,701	889,686	1,986,945	7,767,543	4,024,874	1,123,780	916,227	2,082,261	8,147,142	7,835,085	2,204,481	1,805,913	4,069,206	15,914,685
Ratio of Census estimate to CPS estimate	1.0036	0.9899	0.9333	1.0133	0.9961	1.0020	0.9763	0.9516	1.0060	0.9938	1.0028	0.9830	0.9426	1.0096	0.9950

Participant Category	Females					Males					Total				
	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
3-year-old children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	3,861,087	1,082,014	842,627	2,028,631	7,814,359	4,072,608	1,109,363	884,954	2,111,220	8,178,145	7,933,695	2,191,377	1,727,581	4,139,851	15,992,504
CPS estimate	3,817,022	1,123,945	918,477	2,029,231	7,888,674	4,036,255	1,008,759	916,565	2,099,740	8,061,319	7,853,277	2,132,704	1,835,042	4,128,971	15,949,993
Ratio of Census estimate to CPS estimate	1.0115	0.9627	0.9174	0.9997	0.9906	1.0090	1.0997	0.9655	1.0055	1.0145	1.0102	1.0275	0.9414	1.0026	1.0027
4-year-old children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	3,879,451	1,087,738	850,335	2,033,843	7,851,367	4,090,028	1,114,894	893,749	2,114,104	8,212,775	7,969,479	2,202,632	1,744,084	4,147,947	16,064,142
CPS estimate	3,816,644	1,088,914	895,712	2,024,724	7,825,994	4,103,623	1,157,861	827,591	2,121,713	8,210,788	7,920,267	2,246,774	1,723,304	4,146,437	16,036,782
Ratio of Census estimate to CPS estimate	1.0165	0.9989	0.9493	1.0045	1.0032	0.9967	0.9629	1.0799	0.9964	1.0002	1.0062	0.9804	1.0121	1.0004	1.0017
All children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	15,332,192	4,290,920	3,329,752	8,057,667	31,010,531	16,167,829	4,401,409	3,497,263	8,384,472	32,450,973	31,500,021	8,692,329	6,827,015	16,442,139	63,461,504
CPS estimate	15,274,881	4,500,173	3,658,441	8,072,923	31,506,417	16,125,237	4,524,533	3,609,873	8,304,650	32,564,293	31,400,118	9,024,706	7,268,314	16,377,572	64,070,710
Ratio of Census estimate to CPS estimate	1.0038	0.9535	0.9102	0.9981	0.9843	1.0026	0.9728	0.9688	1.0096	0.9965	1.0032	0.9632	0.9393	1.0039	0.9905

Participant Category	Females					Males					Total				
	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
Total infants and children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	19,047,163	5,324,272	4,117,739	10,007,453	38,496,627	20,078,141	5,468,992	4,325,012	10,418,134	40,290,279	39,125,304	10,793,264	8,442,751	20,425,587	78,786,906
CPS estimate	19,003,544	5,416,264	4,405,537	10,015,033	38,840,377	19,947,915	5,467,035	4,462,363	10,326,809	40,204,121	38,951,459	10,883,298	8,867,899	20,341,842	79,044,498
Ratio of Census estimate to CPS estimate	1.0023	0.9830	0.9347	0.9992	0.9911	1.0065	1.0004	0.9692	1.0088	1.0021	1.0045	0.9917	0.9521	1.0041	0.9967

Note: To calculate WIC eligibility in the CPS data, the age/race/gender specific ratios were applied to the CPS weights by age/race/gender to adjust for the undercount/overcount of children in the CPS relative to the U.S. Census Bureau estimates. The ratios shown in the total columns (by age/race/gender) are for informational purposes only. This table does not include estimates for Puerto Rico or the other U.S. territories. CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement

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Sources: U.S. Census Bureau, 2020b, n.d.a

Table A.3b. U.S. Census Bureau Estimates and CPS-ASEC Estimates for Infants and Children by Year of Age, Race and Hispanic Ethnicity, and Gender: March 2020

Participant Category	Females					Males					Total				
	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
Infants	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
U.S. Census Bureau estimates	913,310	252,914	198,430	483,425	1,848,079	956,631	264,506	207,695	506,475	1,935,307	1,869,941	517,420	406,125	989,900	3,783,386
CPS estimate	940,506	241,889	212,844	481,984	1,877,222	886,996	219,164	189,215	475,480	1,770,855	1,827,502	461,052	402,059	957,464	3,648,076
Ratio of Census estimate to CPS estimate	0.9711	1.0456	0.9323	1.0030	0.9845	1.0785	1.2069	1.0977	1.0652	1.0929	1.0232	1.1223	1.0101	1.0339	1.0371
1-year-old children	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
U.S. Census Bureau estimates	918,902	256,343	196,901	483,192	1,855,338	967,899	263,926	206,713	503,626	1,942,164	1,886,801	520,269	403,614	986,818	3,797,502
CPS estimate	1,010,529	233,795	245,232	479,512	1,969,067	991,908	289,604	231,108	448,326	1,960,946	2,002,437	523,399	476,340	927,837	3,930,013
Ratio of Census estimate to CPS estimate	0.9093	1.0964	0.8029	1.0077	0.9422	0.9758	0.9113	0.8944	1.1233	0.9904	0.9423	0.9940	0.8473	1.0636	0.9663
2-year-old children	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
U.S. Census Bureau estimates	932,759	261,203	201,897	492,263	1,888,122	983,457	268,027	212,020	512,410	1,975,914	1,916,216	529,230	413,917	1,004,673	3,864,036
CPS estimate	975,885	253,734	253,243	463,654	1,946,516	1,005,916	277,150	212,034	475,440	1,970,541	1,981,801	530,884	465,278	939,094	3,917,057
Ratio of Census estimate to CPS estimate	0.9558	1.0294	0.7972	1.0617	0.9700	0.9777	0.9671	0.9999	1.0778	1.0027	0.9669	0.9969	0.8896	1.0698	0.9865

Participant Category	Females					Males					Total				
	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
3-year-old children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	954,409	268,061	209,046	506,074	1,937,590	1,006,310	274,919	219,437	526,746	2,027,412	1,960,719	542,980	428,483	1,032,820	3,965,002
CPS estimate	970,105	275,523	250,668	485,528	1,981,824	1,015,561	231,228	222,291	486,017	1,955,097	1,985,666	506,751	472,959	971,546	3,936,921
Ratio of Census estimate to CPS estimate	0.9838	0.9729	0.8340	1.0423	0.9777	0.9909	1.1890	0.9872	1.0838	1.0370	0.9874	1.0715	0.9060	1.0631	1.0071
4-year-old children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	965,995	271,280	213,244	515,074	1,965,593	1,018,740	277,650	223,654	536,120	2,056,164	1,984,735	548,930	436,898	1,051,194	4,021,757
CPS estimate	959,774	277,367	193,034	505,915	1,936,091	1,070,811	279,481	180,556	527,210	2,058,059	2,030,586	556,848	373,591	1,033,125	3,994,149
Ratio of Census estimate to CPS estimate	1.0065	0.9781	1.1047	1.0181	1.0152	0.9514	0.9934	1.2387	1.0169	0.9991	0.9774	0.9858	1.1695	1.0175	1.0069
All children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	3,772,065	1,056,887	821,088	1,996,603	7,646,643	3,976,406	1,084,522	861,824	2,078,902	8,001,654	7,748,471	2,141,409	1,682,912	4,075,505	15,648,297
CPS estimate	3,916,293	1,040,420	942,177	1,934,608	7,833,498	4,084,197	1,077,462	845,989	1,936,994	7,944,643	8,000,490	2,117,882	1,788,167	3,871,602	15,778,141
Ratio of Census estimate to CPS estimate	0.9632	1.0158	0.8715	1.0320	0.9761	0.9736	1.0066	1.0187	1.0733	1.0072	0.9685	1.0111	0.9411	1.0527	0.9918

Participant Category	Females					Males					Total				
	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
Total infants and children	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
U.S. Census Bureau estimates	4,685,375	1,309,801	1,019,518	2,480,028	9,494,722	4,933,037	1,349,028	1,069,519	2,585,377	9,936,961	9,618,412	2,658,829	2,089,037	5,065,405	19,431,683
CPS estimate	4,856,799	1,282,308	1,155,021	2,416,592	9,710,720	4,971,193	1,296,626	1,035,204	2,412,474	9,715,497	9,827,992	2,578,934	2,190,225	4,829,066	19,426,217
Ratio of Census estimate to CPS estimate	0.9647	1.0214	0.8827	1.0263	0.9778	0.9923	1.0404	1.0331	1.0717	1.0228	0.9787	1.0310	0.9538	1.0489	1.0003

Note: To calculate WIC eligibility in the CPS data, the age/race/gender specific ratios were applied to the CPS weights by age/race/gender to adjust for the undercount/overcount of children in the CPS relative to the U.S. Census Bureau estimates. The ratios shown in the total columns (by age/race/gender) are for informational purposes only. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement

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Sources: U.S. Census Bureau, 2020b, n.d.a

Table A.3c. Effects of Applying Population Adjustment Factors to Population Counts for Infants and Children in the 2020 CPS-ASEC by Year of Age, Race and Hispanic Ethnicity, and Gender: March 2020

Participant Category		Female					Male					Total				
		White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
Infants	Population adjustment factor	0.9963	1.0456	1.0000	1.0030	N/A	1.0229	1.1327	1.0000	1.0057	N/A	N/A	N/A	N/A	N/A	N/A
	Revised CPS estimate	937,026	252,919	212,844	483,429	1,886,218	907,308	248,247	189,215	478,191	1,822,960	1,844,334	501,165	402,059	961,620	3,709,178
	Original CPS estimate	940,506	241,889	212,844	481,984	1,877,222	886,996	219,164	189,215	475,480	1,770,855	1,827,502	461,052	402,059	957,464	3,648,076
	Percent relative change	-0.4	4.6	0.0	0.3	0.5	2.3	13.3	0.0	0.6	2.9	0.9	8.7	0.0	0.4	1.7
1-year-old children	Population adjustment factor	0.9835	1.0000	0.8448	1.0000	N/A	1.0000	0.9113	0.8944	1.0317	N/A	N/A	N/A	N/A	N/A	N/A
	Revised CPS estimate	993,855	233,795	207,172	479,512	1,914,333	991,908	263,916	206,703	462,537	1,925,065	1,985,763	497,711	413,875	942,049	3,839,398
	Original CPS estimate	1,010,529	233,795	245,232	479,512	1,969,067	991,908	289,604	231,108	448,326	1,960,946	2,002,437	523,399	476,340	927,837	3,930,013
	Percent relative change	-1.7	0.0	-15.5	0.0	-2.8	0.0	-8.9	-10.6	3.2	-1.8	-0.8	-4.9	-13.1	1.5	-2.3
2-year-old children	Population adjustment factor	1.0000	1.0000	0.9333	1.0133	N/A	1.0000	0.9763	0.9999	1.0060	N/A	N/A	N/A	N/A	N/A	N/A
	Revised CPS estimate	975,885	253,734	236,352	469,820	1,935,792	1,005,916	270,581	212,013	478,293	1,966,804	1,981,801	524,315	448,365	948,114	3,902,595
	Original CPS estimate	975,885	253,734	253,243	463,654	1,946,516	1,005,916	277,150	212,034	475,440	1,970,541	1,981,801	530,884	465,278	939,094	3,917,057
	Percent relative change	0.0	0.0	-6.7	1.3	-0.6	0.0	-2.4	0.0	0.6	-0.2	0.0	-1.2	-3.6	1.0	-0.4
3-year-old children	Population adjustment factor	1.0000	0.9729	0.9174	1.0000	N/A	1.0000	1.0997	0.9872	1.0055	N/A	N/A	N/A	N/A	N/A	N/A
	Revised CPS estimate	970,105	268,056	229,963	485,528	1,953,652	1,015,561	254,281	219,446	488,690	1,977,978	1,985,666	522,337	449,408	974,219	3,931,631
	Original CPS estimate	970,105	275,523	250,668	485,528	1,981,824	1,015,561	231,228	222,291	486,017	1,955,097	1,985,666	506,751	472,959	971,546	3,936,921
	Percent relative change	0.0	-2.7	-8.3	0.0	-1.4	0.0	10.0	-1.3	0.6	1.2	0.0	3.1	-5.0	0.3	-0.1

Participant Category		Female					Male					Total				
		White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Hispanic/Latino	Total
4-year-old children	Population adjustment factor	1.0065	0.9989	1.0000	1.0045	N/A	0.9967	0.9934	1.0799	1.0000	N/A	N/A	N/A	N/A	N/A	N/A
	Revised CPS estimate	966,013	277,062	193,034	508,191	1,944,301	1,067,278	277,636	194,983	527,210	2,067,107	2,033,291	554,698	388,017	1,035,402	4,011,408
	Original CPS estimate	959,774	277,367	193,034	505,915	1,936,091	1,070,811	279,481	180,556	527,210	2,058,059	2,030,586	556,848	373,591	1,033,125	3,994,149
	Percent relative change	0.7	-0.1	0.0	0.5	0.4	-0.3	-0.7	8.0	0.0	0.4	0.1	-0.4	3.9	0.2	0.4
Total children	Population adjustment factor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Revised CPS estimate	3,905,858	1,032,648	866,521	1,943,052	7,748,078	4,080,664	1,066,415	833,144	1,956,731	7,936,954	7,986,521	2,099,062	1,699,665	3,899,783	15,685,032
	Original CPS estimate	3,916,293	1,040,420	942,177	1,934,608	7,833,498	4,084,197	1,077,462	845,989	1,936,994	7,944,643	8,000,490	2,117,882	1,788,167	3,871,602	15,778,141
	Percent relative change	-0.3	-0.7	-8.0	0.4	-1.1	-0.1	-1.0	-1.5	1.0	-0.1	-0.2	-0.9	-4.9	0.7	-0.6
Total infants and children	Population adjustment factor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Revised CPS estimate	4,842,884	1,285,566	1,079,365	2,426,481	9,634,296	4,987,972	1,314,661	1,022,359	2,434,922	9,759,914	9,830,855	2,600,228	2,101,724	4,861,403	19,394,210
	Original CPS estimate	4,856,799	1,282,308	1,155,021	2,416,592	9,710,720	4,971,193	1,296,626	1,035,204	2,412,474	9,715,497	9,827,992	2,578,934	2,190,225	4,829,066	19,426,217
	Percent relative change	-0.3	0.3	-6.6	0.4	-0.8	0.3	1.4	-1.2	0.9	0.5	0.0	0.8	-4.0	0.7	-0.2

Note: To calculate WIC eligibility in the CPS data, the age/race/gender specific ratios were applied to the CPS weights by age/race/gender to adjust for the undercount/overcount of children in the CPS estimates relative to the U.S. Census Bureau estimates. The ratios shown in the total columns (by age/race/gender) are for informational purposes only. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement

N/A = not applicable

Sources: U.S. Census Bureau, 2020b, n.d.a

Table A.4. Breastfeeding Adjustment Factor Calculations for Postpartum Women Eligible for WIC: CY 2005–CY 2019

Adjustments	Breastfeeding Rates Among Postpartum Women Eligible for WIC by Race and Hispanic Ethnicity														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Breastfeeding in hospital	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hispanic/Latino	0.8009	0.8038	0.8038	0.8158	0.7956	0.7846	0.7912	0.7778	0.8323	0.8104	0.8184	0.8067	0.8067	0.8067	0.8217
White-Only, Not Hispanic	0.6473	0.6291	0.6358	0.6162	0.6551	0.6329	0.6684	0.6769	0.7165	0.7514	0.7440	0.7884	0.7884	0.7884	0.7835
Black-Only, Not Hispanic	0.4970	0.4767	0.5369	0.4996	0.5166	0.5313	0.5763	0.6087	0.5757	0.6347	0.6364	0.7019	0.7019	0.7019	0.6905
Two or More Races or Other Race, Not Hispanic	0.6330	0.6628	0.6781	0.7093	0.6570	0.6744	0.6940	0.6977	0.6893	0.6605	0.7161	0.7385	0.7385	0.7385	0.7701
Breastfeeding at 6 months	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hispanic/Latino	0.3999	0.4415	0.4744	0.4715	0.4387	0.4425	0.4579	0.4576	0.4596	0.4870	0.4304	0.4746	0.4746	0.4746	0.5102
White-Only, Not Hispanic	0.2801	0.2968	0.3055	0.3164	0.3268	0.3289	0.3427	0.3415	0.3807	0.4120	0.4229	0.4808	0.4808	0.4808	0.4819
Black-Only, Not Hispanic	0.2043	0.2135	0.2400	0.2214	0.2294	0.2383	0.3042	0.3243	0.2971	0.3107	0.3575	0.4308	0.4308	0.4308	0.4040
Two or More Races or Other Race, Not Hispanic	0.3071	0.3490	0.3408	0.3360	0.3327	0.3522	0.3977	0.4102	0.4123	0.3643	0.4248	0.4370	0.4370	0.4370	0.4981
Breastfeeding at 12 months	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hispanic/Latino	0.2164	0.2341	0.2561	0.2702	0.2410	0.2721	0.2506	0.2552	0.2410	0.2563	0.2338	0.2844	0.2844	0.2844	0.3043
White-Only, Not Hispanic	0.1494	0.1409	0.1368	0.1552	0.1805	0.1808	0.1861	0.1872	0.2092	0.2396	0.2591	0.3074	0.3074	0.3074	0.2950
Black-Only, Not Hispanic	0.0920	0.0921	0.1206	0.0874	0.1001	0.0806	0.1401	0.1190	0.1258	0.1365	0.1737	0.2330	0.2330	0.2330	0.2054
Two or More Races or Other Race, Not Hispanic	0.1672	0.2142	0.1835	0.2219	0.1737	0.1898	0.2153	0.2356	0.2632	0.1758	0.2463	0.2579	0.2579	0.2579	0.2694
Other Adjustment Factors															
Multiple births/infant deaths ^a	0.9961	0.9961	0.9961	0.9961	0.9961	0.9961	0.9961	0.9961	0.9961	0.9961	0.9961	–	–	–	
Hispanic/Latino	–	–	–	–	–	–	–	–	–	–	–	0.9977	0.9977	0.9977	0.9977
White-Only,	–	–	–	–	–	–	–	–	–	–	–	0.9911	0.9911	0.9911	0.9911

Adjustments	Breastfeeding Rates Among Postpartum Women Eligible for WIC by Race and Hispanic Ethnicity														
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Not Hispanic															
Black-Only, Not Hispanic	–	–	–	–	–	–	–	–	–	–	–	1.0019	1.0019	1.0019	1.0019
Two or More Races or Other Race, Not Hispanic	–	–	–	–	–	–	–	–	–	–	–	0.9944	0.9944	0.9944	0.9944
Loss of eligibility at 6 months	0.9400	0.9467	0.9533	0.9600	0.9667	0.9733	0.9800	0.9867	0.9933	1.000	1.000	1.000	1.000	1.000	1.000
Adjustment to average breastfeeding	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700	0.8700
Final Adjustment Factors for Estimating Postpartum Eligibility From Estimate of Infant Eligibility ^b															
Breastfeeding adjustment factor	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hispanic/Latino	0.4060	0.4307	0.4521	0.4580	0.4327	0.4408	0.4453	0.4445	0.4550	0.4680	0.4377	0.4684	0.4684	0.4684	0.4933
White-Only, Not Hispanic	0.3026	0.3050	0.3101	0.3160	0.3362	0.3332	0.3495	0.3519	0.3851	0.4160	0.4243	0.4731	0.4731	0.4731	0.4695
Black-Only, Not Hispanic	0.2221	0.2224	0.2550	0.2309	0.2419	0.2450	0.3003	0.3123	0.2948	0.3174	0.3490	0.4123	0.4123	0.4123	0.3904
Two or More Races or Other Race, Not Hispanic	0.3160	0.3533	0.3466	0.3613	0.3376	0.3552	0.3876	0.4003	0.4073	0.3579	0.4159	0.4294	0.4294	0.4294	0.4667
Non-breastfeeding adjustment factor	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hispanic/Latino	0.2388	0.2292	0.2220	0.2200	0.2315	0.2331	0.2283	0.2313	0.2190	0.2178	0.2284	0.2213	0.2213	0.2213	0.2103
White-Only, Not Hispanic	0.2983	0.2986	0.2953	0.2972	0.2864	0.2908	0.2801	0.2785	0.2614	0.2469	0.2462	0.2239	0.2239	0.2239	0.2248
Black-Only, Not Hispanic	0.3475	0.3499	0.3310	0.3432	0.3378	0.3326	0.3085	0.2971	0.3102	0.2944	0.2838	0.2536	0.2536	0.2536	0.2619
Two or More Races or Other Race, Not Hispanic	0.2955	0.2799	0.2784	0.2726	0.2847	0.2767	0.2626	0.2590	0.2604	0.2771	0.2518	0.2443	0.2443	0.2443	0.2242

CY = calendar year

^a The multiple births and infant deaths adjustment factor was updated and expanded in Farson Gray et al., 2019.

^b The final adjustment factors for estimating postpartum eligibility from estimates of infant eligibility in the territories is 0.4629 for estimates of breastfeeding women and 0.2265 for estimates of non-breastfeeding women.

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Sources: National Center for Health Statistics, n.d.; unpublished internal CDC data

Table A.5. Step-by-Step Adjustments Applied to CPS-ASEC Data to Derive the Average Monthly Number of Individuals Eligible for WIC by Participant Category: CY 2019

Step	Infants	1-Year-Old Children	2-Year-Old Children	3-Year-Old Children	4-Year-Old Children	All Children	Pregnant Women	Postpartum Breastfeeding Women	Postpartum Non-Breastfeeding Women	Total
Total number of infants/children in CPS-ASEC data	3,648,076	3,930,013	3,917,057	3,936,921	3,994,149	15,778,141	—	—	—	19,426,217
Number after adjustment for CPS undercount/overcount	3,709,178	3,839,398	3,902,595	3,931,631	4,011,408	15,685,032	—	—	—	19,394,210
Number with annual income <= 185 percent of the FPG	1,060,653	1,124,681	1,174,502	1,181,270	1,308,799	4,789,253	—	—	—	5,849,906
Number adjunctively income-eligible and with annual income > 185 percent of the FPG ^a	504,966	468,238	506,887	489,355	498,653	1,963,133	—	—	—	2,468,099
Through SNAP	148,237	116,671	118,532	141,903	119,639	496,745	—	—	—	644,981
Through TANF	10,945	4,429	10,722	4,048	2,416	21,615	—	—	—	32,560
Through Medicaid	345,784	347,138	377,633	343,404	376,599	1,444,773	—	—	—	1,790,557
Total number income and adjunctively income-eligible	1,565,619	1,592,919	1,681,389	1,670,625	1,807,452	6,752,386	—	—	—	8,318,005
Number after adjustment for monthly income and certification periods	1,642,979	1,688,738	1,785,897	1,771,992	1,917,819	7,164,446	—	—	—	8,807,425
Total number eligible: Number after adjustment for nutritional risk (infants and children)	1,593,689	1,671,851	1,768,038	1,754,272	1,898,641	7,092,802	—	—	—	8,686,491
Starting point for estimates of women is number of eligible infants	—	—	—	—	—	—	1,593,689	1,593,689	1,593,689	4,781,068
Number after adjustment for length of pregnancy and income of woman during pregnancy	—	—	—	—	—	—	1,087,693	—	—	1,087,693
Number after adjustment for multiple births and infant deaths	—	—	—	—	—	—	1,083,065	1,586,908	1,586,908	4,256,881
Number after adjustment for breastfeeding	—	—	—	—	—	—	—	731,650	361,085	1,092,735

Step	Infants	1-Year-Old Children	2-Year-Old Children	3-Year-Old Children	4-Year-Old Children	All Children	Pregnant Women	Postpartum Breastfeeding Women	Postpartum Non-Breastfeeding Women	Total
Total number eligible: Number after adjustment for nutritional risk (pregnant and postpartum women)	–	–	–	–	–	–	1,050,573	731,650	361,085	2,143,308
Total number eligible in the 50 States and the District of Columbia, excluding the U.S. territories served by WIC	1,593,689	1,671,851	1,768,038	1,754,272	1,898,641	7,092,802	1,050,573	731,650	361,085	10,829,799
Total number eligible in all U.S. territories served by WIC ^b	23,453	24,299	25,785	27,304	28,853	106,241	15,479	10,823	5,296	161,293
Total number eligible in the 50 States, the District of Columbia, Puerto Rico, and the other U.S. territories served by WIC	1,617,143	1,696,150	1,793,823	1,781,576	1,927,494	7,199,043	1,066,052	742,473	366,381	10,991,092

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a Adjunctive income eligibility was counted by the first program that qualified the person for WIC, in this order: SNAP, TANF, and Medicaid.

^b See appendix B in volume II for the derivation of WIC eligibility in U.S. territories.

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Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a, n.d.b

Table A.6a1. Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Counts): CY 2019

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,036,340	494,637	1,530,977	1,148,173	478,111	1,626,284	1,176,564	508,816	1,685,380
Gender	—	—	—	—	—	—	—	—	—
Male	514,752	235,362	750,114	604,059	264,372	868,430	603,639	250,195	853,834
Female	521,588	259,275	780,863	544,114	213,739	757,853	572,925	258,621	831,546
Race	—	—	—	—	—	—	—	—	—
White	696,342	329,209	1,025,551	717,748	347,763	1,065,511	761,839	340,683	1,102,522
Black	230,509	100,685	331,193	284,825	66,178	351,003	234,902	100,451	335,354
Other	109,490	64,743	174,233	145,600	64,170	209,770	179,823	67,682	247,505
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	376,199	157,552	533,751	403,588	175,694	579,282	424,819	155,451	580,271
Not Hispanic/Latino	660,141	337,085	997,226	744,585	302,417	1,047,002	751,745	353,365	1,105,109
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	648,440	358,841	1,007,281	674,954	331,320	1,006,274	588,847	331,567	920,414
Single-parent family	342,745	123,908	466,653	412,480	126,644	539,124	524,350	137,724	662,073
No-parent family	45,155	11,888	57,043	60,740	20,146	80,886	63,367	39,525	102,892
Related nonparent caretaker	6,748	11,888	18,637	28,410	20,146	48,556	27,501	39,525	67,026
Unrelated nonparent caretaker	38,407	0	38,407	32,330	0	32,330	35,866	0	35,866
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	34,608	47,788	82,396	43,689	43,995	87,684	51,636	70,771	122,407
Serving in U.S. military in 2019 ^c	40,302	0	40,302	29,163	853	30,016	17,875	0	17,875
Number of people in household	—	—	—	—	—	—	—	—	—
2	44,962	0	44,962	68,107	16,943	85,050	65,206	19,122	84,328
3	200,746	102,645	303,390	235,372	97,059	332,431	238,963	53,483	292,446
4	244,288	176,700	420,987	317,061	143,496	460,557	301,793	147,187	448,980
5	208,234	102,120	310,354	237,264	107,578	344,842	218,191	148,318	366,509
6 or more	338,111	113,173	451,283	290,369	113,035	403,404	352,411	140,707	493,117
Mean	4.9	4.6	4.8	4.7	4.6	4.7	4.8	4.9	4.8

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Number with working parent(s)	638,029	372,773	1,010,802	774,236	396,490	1,170,725	813,952	413,472	1,227,423
Annual family income relative to FPG	—	—	—	—	—	—	—	—	—
No income	86,831	0	86,831	63,932	0	63,932	72,997	0	72,997
Up to 50% FPG	168,613	0	168,613	195,182	0	195,182	164,709	0	164,709
More than 50% up to 100% FPG	239,907	0	239,907	263,938	0	263,938	271,257	0	271,257
More than 100% up to 130% FPG	193,158	0	193,158	249,327	0	249,327	244,484	0	244,484
More than 130% up to 150% FPG	122,298	0	122,298	120,682	0	120,682	152,786	0	152,786
More than 150% up to 185% FPG	225,533	0	225,533	255,112	0	255,112	270,331	0	270,331
More than 185% up to 200% FPG	0	67,450	67,450	0	55,679	55,679	0	50,480	50,480
More than 200% FPG	0	427,187	427,187	0	422,432	422,432	0	458,337	458,337
Receipt of other benefits	—	—	—	—	—	—	—	—	—
No benefit receipt	280,803	0	280,803	287,497	0	287,497	285,335	0	285,335
Medicaid, SNAP, and TANF	47,587	3,275	50,862	53,397	1,568	54,965	62,966	11,947	74,913
SNAP and TANF only	0	605	605	1,294	0	1,294	1,203	0	1,203
Medicaid and SNAP only	320,743	102,395	423,137	350,576	85,389	435,965	384,034	60,413	444,447
Medicaid and TANF only	1,662	10,947	12,609	2,847	4,429	7,276	5,305	10,722	16,027
SNAP only	111,125	36,742	147,867	50,427	35,331	85,758	65,107	46,891	111,998
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	274,420	340,673	615,094	402,135	351,394	753,529	372,613	378,843	751,456

Note: These estimates were tabulated from the unadjusted person weights for the CPS-ASEC data. They are not adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Source: U.S. Census Bureau, n.d.a

Table A.6a1 (continued). Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Counts): CY 2019

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,177,612	487,933	1,665,544	1,305,470	496,219	1,801,689	4,807,818	1,971,078	6,778,896
Gender	—	—	—	—	—	—	—	—	—
Male	604,255	265,802	870,056	666,861	267,532	934,393	2,478,813	1,047,900	3,526,713
Female	573,357	222,131	795,488	638,609	228,687	867,296	2,329,005	923,178	3,252,183
Race	—	—	—	—	—	—	—	—	—
White	735,444	376,801	1,112,246	870,713	352,515	1,223,228	3,085,744	1,417,762	4,503,507
Black	274,058	71,394	345,452	312,100	94,904	407,005	1,105,885	332,928	1,438,813
Other	168,110	39,737	207,847	122,657	48,799	171,456	616,189	220,388	836,577
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	398,736	179,438	578,174	484,802	162,226	647,028	1,711,945	672,809	2,384,754
Not Hispanic/Latino	778,876	308,495	1,087,371	820,668	333,993	1,154,660	3,095,873	1,298,270	4,394,143
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	600,034	312,233	912,267	657,428	300,828	958,256	2,521,262	1,275,949	3,797,211
Single-parent family	497,668	157,737	655,405	569,891	165,589	735,480	2,004,388	587,694	2,592,082
No-parent family	79,909	17,962	97,872	78,152	29,802	107,953	282,167	107,435	389,603
Related nonparent caretaker	49,085	17,962	67,048	45,994	29,802	75,795	150,989	107,435	258,425
Unrelated nonparent caretaker	30,824	0	30,824	32,158	0	32,158	131,178	0	131,178
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	42,336	49,486	91,822	53,179	49,349	102,527	190,839	213,601	404,440
Serving in U.S. military in 2019 ^c	9,670	0	9,670	17,298	1,032	18,331	74,006	1,885	75,891
Number of people in household	—	—	—	—	—	—	—	—	—
2	81,162	27,288	108,450	65,367	24,835	90,202	279,842	88,188	368,030
3	183,168	65,043	248,211	237,948	70,633	308,581	895,451	286,218	1,181,668
4	319,267	141,009	460,276	337,369	141,002	478,371	1,275,489	572,694	1,848,183
5	223,992	133,096	357,088	254,498	110,895	365,393	933,945	499,887	1,433,832
6 or more	370,023	121,497	491,520	410,288	148,854	559,142	1,423,091	524,092	1,947,182
Mean	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Number with working parent(s)	818,210	405,253	1,223,462	944,513	405,880	1,350,393	3,350,910	1,621,094	4,972,004
Annual family income relative to FPG	—	—	—	—	—	—	—	—	—
No income	82,388	0	82,388	96,303	0	96,303	315,619	0	315,619
Up to 50% FPG	178,154	0	178,154	159,791	0	159,791	697,836	0	697,836
More than 50% up to 100% FPG	285,505	0	285,505	350,979	0	350,979	1,171,679	0	1,171,679
More than 100% up to 130% FPG	216,126	0	216,126	225,473	0	225,473	935,409	0	935,409
More than 130% up to 150% FPG	147,300	0	147,300	176,297	0	176,297	597,065	0	597,065
More than 150% up to 185% FPG	268,139	0	268,139	296,627	0	296,627	1,090,210	0	1,090,210
More than 185% up to 200% FPG	0	64,299	64,299	0	62,276	62,276	0	232,734	232,734
More than 200% FPG	0	423,634	423,634	0	433,943	433,943	0	1,738,344	1,738,344
Receipt of other benefits	—	—	—	—	—	—	—	—	—
No benefit receipt	283,186	0	283,186	349,901	0	349,901	1,205,919	0	1,205,919
Medicaid, SNAP, and TANF	56,185	6,908	63,094	41,006	11,897	52,903	213,554	32,321	245,875
SNAP and TANF only	0	0	0	0	0	0	2,497	0	2,497
Medicaid and SNAP only	352,489	89,182	441,671	431,860	62,772	494,632	1,518,958	297,757	1,816,714
Medicaid and TANF only	4,062	4,035	8,097	5,482	2,405	7,887	17,696	21,591	39,287
SNAP only	73,771	44,419	118,191	72,636	44,876	117,512	261,942	171,517	433,459
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	407,919	343,388	751,307	404,585	374,269	778,854	1,587,252	1,447,893	3,035,146

Note: These estimates were tabulated from the unadjusted person weights for the CPS-ASEC data. They are not adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Source: U.S. Census Bureau, n.d.a

Table A.6a2. Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Percentages): CY 2019

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,036,340	494,637	1,530,977	1,148,173	478,111	1,626,284	1,176,564	508,816	1,685,380
Gender	—	—	—	—	—	—	—	—	—
Male	49.7	47.6	49.0	52.6	55.3	53.4	51.3	49.2	50.7
Female	50.3	52.4	51.0	47.4	44.7	46.6	48.7	50.8	49.3
Race	—	—	—	—	—	—	—	—	—
White	67.2	66.6	67.0	62.5	72.7	65.5	64.8	67.0	65.4
Black	22.2	20.4	21.6	24.8	13.8	21.6	20.0	19.7	19.9
Other	10.6	13.1	11.4	12.7	13.4	12.9	15.3	13.3	14.7
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	36.3	31.9	34.9	35.2	36.7	35.6	36.1	30.6	34.4
Not Hispanic/Latino	63.7	68.1	65.1	64.9	63.3	64.4	63.9	69.4	65.6
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	62.6	72.5	65.8	58.8	69.3	61.9	50.0	65.2	54.6
Single-parent family	33.1	25.1	30.5	35.9	26.5	33.2	44.6	27.1	39.3
No-parent family	4.4	2.4	3.7	5.3	4.2	5.0	5.4	7.8	6.1
Related nonparent caretaker	0.7	2.4	1.2	2.5	4.2	3.0	2.3	7.8	4.0
Unrelated nonparent caretaker	3.7	0.0	2.5	2.8	0.0	2.0	3.0	0.0	2.1
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	3.3	9.7	5.4	3.8	9.2	5.4	4.4	13.9	7.3
Serving in U.S. military in 2019 ^c	3.9	0.0	2.6	2.5	0.2	1.8	1.5	0.0	1.1
Number of people in household	—	—	—	—	—	—	—	—	—
2	4.3	0.0	2.9	5.9	3.5	5.2	5.5	3.8	5.0
3	19.4	20.8	19.8	20.5	20.3	20.4	20.3	10.5	17.4
4	23.6	35.7	27.5	27.6	30.0	28.3	25.7	28.9	26.6
5	20.1	20.6	20.3	20.7	22.5	21.2	18.5	29.2	21.7
6 or more	32.6	22.9	29.5	25.3	23.6	24.8	30.0	27.7	29.3
Percent with working parent(s)	61.6	75.4	66.0	67.4	82.9	72.0	69.2	81.3	72.8

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Annual family income relative to FPG	—	—	—	—	—	—	—	—	—
No income	8.4	0.0	5.7	5.6	0.0	3.9	6.2	0.0	4.3
Up to 50% FPG	16.3	0.0	11.0	17.0	0.0	12.0	14.0	0.0	9.8
More than 50% up to 100% FPG	23.1	0.0	15.7	23.0	0.0	16.2	23.1	0.0	16.1
More than 100% up to 130% FPG	18.6	0.0	12.6	21.7	0.0	15.3	20.8	0.0	14.5
More than 130% up to 150% FPG	11.8	0.0	8.0	10.5	0.0	7.4	13.0	0.0	9.1
More than 150% up to 185% FPG	21.8	0.0	14.7	22.2	0.0	15.7	23.0	0.0	16.0
More than 185% up to 200% FPG	0.0	13.6	4.4	0.0	11.6	3.4	0.0	9.9	3.0
More than 200% FPG	0.0	86.4	27.9	0.0	88.4	26.0	0.0	90.1	27.2
Receipt of other benefits	—	—	—	—	—	—	—	—	—
No benefit receipt	27.1	0.0	18.3	25.0	0.0	17.7	24.3	0.0	16.9
SNAP, TANF, and Medicaid	4.6	0.7	3.3	4.7	0.3	3.4	5.4	2.3	4.4
SNAP and TANF only	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1
SNAP and Medicaid only	31.0	20.7	27.6	30.5	17.9	26.8	32.6	11.9	26.4
TANF and Medicaid only	0.2	2.2	0.8	0.2	0.9	0.4	0.5	2.1	1.0
SNAP only	10.7	7.4	9.7	4.4	7.4	5.3	5.5	9.2	6.6
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	26.5	68.9	40.2	35.0	73.5	46.3	31.7	74.5	44.6

Note: These estimates were tabulated from the unadjusted person weights for the CPS-ASEC data. They are not adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Source: U.S. Census Bureau, n.d.a

Table A.6a2 (continued). Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Percentages): CY 2019

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,177,612	487,933	1,665,544	1,305,470	496,219	1,801,689	4,807,818	1,971,078	6,778,896
Gender	—	—	—	—	—	—	—	—	—
Male	51.3	54.5	52.2	51.1	53.9	51.9	51.6	53.2	52.0
Female	48.7	45.5	47.8	48.9	46.1	48.1	48.4	46.8	48.0
Race	—	—	—	—	—	—	—	—	—
White	62.5	77.2	66.8	66.7	71.0	67.9	64.2	71.9	66.4
Black	23.3	14.6	20.7	23.9	19.1	22.6	23.0	16.9	21.2
Other	14.3	8.1	12.5	9.4	9.8	9.5	12.8	11.2	12.3
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	33.9	36.8	34.7	37.1	32.7	35.9	35.6	34.1	35.2
Not Hispanic/Latino	66.1	63.2	65.3	62.9	67.3	64.1	64.4	65.9	64.8
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	51.0	64.0	54.8	50.4	60.6	53.2	52.4	64.7	56.0
Single-parent family	42.3	32.3	39.4	43.7	33.4	40.8	41.7	29.8	38.2
No-parent family	6.8	3.7	5.9	6.0	6.0	6.0	5.9	5.5	5.7
Related nonparent caretaker	4.2	3.7	4.0	3.5	6.0	4.2	3.1	5.5	3.8
Unrelated nonparent caretaker	2.6	0.0	1.9	2.5	0.0	1.8	2.7	0.0	1.9
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	3.6	10.1	5.5	4.1	9.9	5.7	4.0	10.8	6.0
Serving in U.S. military in 2019 ^c	0.8	0.0	0.6	1.3	0.2	1.0	1.5	0.1	1.1
Number of people in household	—	—	—	—	—	—	—	—	—
2	6.9	5.6	6.5	5.0	5.0	5.0	5.8	4.5	5.4
3	15.6	13.3	14.9	18.2	14.2	17.1	18.6	14.5	17.4
4	27.1	28.9	27.6	25.8	28.4	26.6	26.5	29.1	27.3
5	19.0	27.3	21.4	19.5	22.3	20.3	19.4	25.4	21.2
6 or more	31.4	24.9	29.5	31.4	30.0	31.0	29.6	26.6	28.7
Percent with working parent(s)	69.5	83.1	73.5	72.4	81.8	75.0	69.7	82.2	73.3

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Annual family income relative to FPG	—	—	—	—	—	—	—	—	—
No income	7.0	0.0	4.9	7.4	0.0	5.3	6.6	0.0	4.7
Up to 50% FPG	15.1	0.0	10.7	12.2	0.0	8.9	14.5	0.0	10.3
More than 50% up to 100% FPG	24.2	0.0	17.1	26.9	0.0	19.5	24.4	0.0	17.3
More than 100% up to 130% FPG	18.4	0.0	13.0	17.3	0.0	12.5	19.5	0.0	13.8
More than 130% up to 150% FPG	12.5	0.0	8.8	13.5	0.0	9.8	12.4	0.0	8.8
More than 150% up to 185% FPG	22.8	0.0	16.1	22.7	0.0	16.5	22.7	0.0	16.1
More than 185% up to 200% FPG	0.0	13.2	3.9	0.0	12.6	3.5	0.0	11.8	3.4
More than 200% FPG	0.0	86.8	25.4	0.0	87.5	24.1	0.0	88.2	25.6
Receipt of other benefits	—	—	—	—	—	—	—	—	—
No benefit receipt	24.0	0.0	17.0	26.8	0.0	19.4	25.1	0.0	17.8
Medicaid, SNAP, and TANF	4.8	1.4	3.8	3.1	2.4	2.9	4.4	1.6	3.6
SNAP and TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Medicaid and SNAP only	29.9	18.3	26.5	33.1	12.7	27.5	31.6	15.1	26.8
Medicaid and TANF only	0.3	0.8	0.5	0.4	0.5	0.4	0.4	1.1	0.6
SNAP only	6.3	9.1	7.1	5.6	9.0	6.5	5.4	8.7	6.4
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	34.6	70.4	45.1	31.0	75.4	43.2	33.0	73.5	44.8

Note: These estimates were tabulated from the unadjusted person weights for the CPS-ASEC data. They are not adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Source: U.S. Census Bureau, n.d.a

Table A.6b1. Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Counts): CY 2019

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,078,638	515,052	1,593,689	1,178,415	493,436	1,671,851	1,233,358	534,680	1,768,038
Gender	—	—	—	—	—	—	—	—	—
Male	542,246	247,756	790,002	621,937	274,101	896,039	633,085	264,410	897,496
Female	536,392	267,296	803,687	556,478	219,334	775,812	600,273	270,270	870,543
Race	—	—	—	—	—	—	—	—	—
White	724,656	344,190	1,068,846	765,683	371,404	1,137,087	815,016	366,070	1,181,085
Black	246,102	107,123	353,225	278,580	64,273	342,854	237,571	101,918	339,490
Other	107,880	63,738	171,619	134,152	57,759	191,910	180,771	66,692	247,463
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	371,674	155,677	527,351	419,043	182,640	601,683	438,532	160,423	598,955
Not Hispanic/Latino	706,964	359,375	1,066,339	759,372	310,796	1,070,168	794,827	374,256	1,169,083
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	676,449	372,959	1,049,409	702,777	343,716	1,046,493	621,008	348,321	969,329
Single-parent family	355,217	129,628	484,845	414,157	128,335	542,492	546,272	144,590	690,862
No-parent family	46,971	12,465	59,436	61,482	21,384	82,866	66,078	41,768	107,846
Related nonparent caretaker	6,942	12,465	19,407	28,604	21,384	49,988	28,229	41,768	69,997
Unrelated nonparent caretaker	40,029	0	40,029	32,878	0	32,878	37,850	0	37,850
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	36,335	50,916	87,252	44,922	46,110	91,031	53,974	75,126	129,100
Serving in U.S. military in 2019 ^c	42,887	0	42,887	30,354	924	31,278	19,326	0	19,326
Number of people in household	—	—	—	—	—	—	—	—	—
2	46,182	0	46,182	67,886	17,076	84,962	68,354	19,888	88,242
3	208,313	107,017	315,330	239,474	98,651	338,126	250,704	55,873	306,578
4	254,584	183,766	438,350	322,624	147,844	470,468	315,992	154,943	470,935
5	218,775	106,365	325,140	246,576	112,586	359,161	229,632	156,001	385,633
6 or more	350,783	117,904	468,687	301,855	117,279	419,134	368,677	147,974	516,651
Mean	4.9	4.6	4.8	4.7	4.6	4.7	4.8	4.9	4.8

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Number with working parent(s)	663,370	386,565	1,049,935	798,179	409,973	1,208,152	854,268	434,951	1,289,220
Annual family income relative to FPG	—	—	—	—	—	—	—	—	—
No income	90,443	0	90,443	66,306	0	66,306	76,694	0	76,694
Up to 50% FPG	175,047	0	175,047	196,495	0	196,495	172,219	0	172,219
More than 50% up to 100% FPG	246,205	0	246,205	270,241	0	270,241	282,721	0	282,721
More than 100% up to 130% FPG	201,293	0	201,293	254,324	0	254,324	255,305	0	255,305
More than 130% up to 150% FPG	127,865	0	127,865	125,150	0	125,150	161,478	0	161,478
More than 150% up to 185% FPG	237,784	0	237,784	265,899	0	265,899	284,942	0	284,942
More than 185% up to 200% FPG	0	69,400	69,400	0	57,534	57,534	0	53,649	53,649
More than 200% FPG	0	445,652	445,652	0	435,901	435,901	0	481,031	481,031
Receipt of other benefits	—	—	—	—	—	—	—	—	—
No benefit receipt	293,910	0	293,910	299,183	0	299,183	301,514	0	301,514
Medicaid, SNAP, and TANF	48,655	3,240	51,895	52,484	1,699	54,183	65,238	12,382	77,620
SNAP and TANF only	0	622	622	1,183	0	1,183	1,230	0	1,230
Medicaid and SNAP only	334,554	106,800	441,354	357,198	83,526	440,724	401,242	62,885	464,128
Medicaid and TANF only	1,644	11,061	12,706	3,136	4,878	8,014	5,669	11,521	17,190
SNAP only	114,892	38,837	153,729	50,783	36,673	87,457	68,133	48,205	116,338
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	284,983	354,491	639,474	414,447	366,660	781,107	390,332	399,687	790,019

Note: These estimates were tabulated from the fully adjusted person weights for the CPS-ASEC data. They were adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Source: U.S. Census Bureau, n.d.a

Table A.6b1 (continued). Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Counts): CY 2019

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,237,476	516,796	1,754,272	1,372,495	526,146	1,898,641	5,021,745	2,071,057	7,092,802
Gender	—	—	—	—	—	—	—	—	—
Male	647,406	284,007	931,413	701,176	283,209	984,385	2,603,604	1,105,728	3,709,332
Female	590,071	232,789	822,860	671,319	242,936	914,256	2,418,141	965,329	3,383,470
Race	—	—	—	—	—	—	—	—	—
White	782,673	402,247	1,184,920	926,215	377,378	1,303,593	3,289,586	1,517,098	4,806,685
Black	289,450	75,113	364,563	317,926	96,691	414,618	1,123,528	337,996	1,461,524
Other	165,354	39,436	204,790	128,354	52,076	180,430	608,631	215,963	824,593
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	408,687	183,996	592,683	496,710	166,157	662,868	1,762,972	693,216	2,456,189
Not Hispanic/Latino	828,790	332,800	1,161,590	875,785	359,988	1,235,773	3,258,773	1,377,840	4,636,613
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	632,566	331,236	963,802	695,431	319,834	1,015,265	2,651,782	1,343,107	3,994,889
Single-parent family	520,749	166,798	687,547	594,580	174,909	769,490	2,075,758	614,633	2,690,391
No-parent family	84,162	18,762	102,924	82,484	31,402	113,886	294,206	113,317	407,522
Related nonparent caretaker	52,154	18,762	70,916	47,630	31,402	79,033	156,617	113,317	269,934
Unrelated nonparent caretaker	32,008	0	32,008	34,853	0	34,853	137,589	0	137,589
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	44,810	52,894	97,704	55,959	51,662	107,621	199,665	225,791	425,456
Serving in U.S. military in 2019 ^c	10,428	0	10,428	18,472	1,136	19,608	78,580	2,060	80,641
Number of people in household	—	—	—	—	—	—	—	—	—
2	85,079	29,277	114,356	68,614	26,440	95,054	289,933	92,681	382,615
3	194,067	68,505	262,572	249,086	74,649	323,735	933,331	297,679	1,231,010
4	332,752	150,909	483,662	355,293	149,688	504,981	1,326,661	603,384	1,930,045
5	235,799	140,243	376,042	269,519	117,945	387,465	981,526	526,775	1,508,301
6 or more	389,780	127,862	517,641	429,983	157,423	587,406	1,490,294	550,538	2,040,832
Mean	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Number with working parent(s)	861,366	429,728	1,291,094	993,316	430,683	1,423,999	3,507,130	1,705,335	5,212,465
Annual family income relative to FPG	–	–	–	–	–	–	–	–	–
No income	84,871	0	84,871	102,461	0	102,461	330,332	0	330,332
Up to 50% FPG	185,977	0	185,977	167,076	0	167,076	721,766	0	721,766
More than 50% up to 100% FPG	299,206	0	299,206	367,317	0	367,317	1,219,485	0	1,219,485
More than 100% up to 130% FPG	228,179	0	228,179	234,997	0	234,997	972,805	0	972,805
More than 130% up to 150% FPG	155,110	0	155,110	186,408	0	186,408	628,146	0	628,146
More than 150% up to 185% FPG	284,134	0	284,134	314,237	0	314,237	1,149,211	0	1,149,211
More than 185% up to 200% FPG	0	67,715	67,715	0	66,086	66,086	0	244,984	244,984
More than 200% FPG	0	449,081	449,081	0	460,060	460,060	0	1,826,073	1,826,073
Receipt of other benefits	–	–	–	–	–	–	–	–	–
No benefit receipt	297,506	0	297,506	370,468	0	370,468	1,268,671	0	1,268,671
Medicaid, SNAP, and TANF	58,631	7,474	66,104	43,134	12,170	55,304	219,487	33,725	253,211
SNAP and TANF only	0	0	0	0	0	0	2,413	0	2,413
Medicaid and SNAP only	371,972	95,033	467,005	452,657	66,367	519,024	1,583,069	307,811	1,890,880
Medicaid and TANF only	4,356	4,265	8,620	5,584	2,470	8,053	18,744	23,133	41,878
SNAP only	78,453	46,583	125,035	75,932	47,659	123,591	273,301	179,120	452,421
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	426,560	363,442	790,002	424,721	397,480	822,200	1,656,060	1,527,268	3,183,328

Note: These estimates were tabulated from the fully adjusted person weights for the CPS-ASEC data. They were adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk.

This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Source: U.S. Census Bureau, n.d.a

Table A.6b2. Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Percentages): CY 2019

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,078,638	515,052	1,593,689	1,178,415	493,436	1,671,851	1,233,358	534,680	1,768,038
Gender	—	—	—	—	—	—	—	—	—
Male	50.3	48.1	49.6	52.8	55.6	53.6	51.3	49.5	50.8
Female	49.7	51.9	50.4	47.2	44.5	46.4	48.7	50.5	49.2
Race	—	—	—	—	—	—	—	—	—
White	67.2	66.8	67.1	65.0	75.3	68.0	66.1	68.5	66.8
Black	22.8	20.8	22.2	23.6	13.0	20.5	19.3	19.1	19.2
Other	10.0	12.4	10.8	11.4	11.7	11.5	14.7	12.5	14.0
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	34.5	30.2	33.1	35.6	37.0	36.0	35.6	30.0	33.9
Not Hispanic/Latino	65.5	69.8	66.9	64.4	63.0	64.0	64.4	70.0	66.1
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	62.7	72.4	65.8	59.6	69.7	62.6	50.4	65.1	54.8
Single-parent family	32.9	25.2	30.4	35.1	26.0	32.4	44.3	27.0	39.1
No-parent family	4.4	2.4	3.7	5.2	4.3	5.0	5.4	7.8	6.1
Related non-parent caretaker	0.6	2.4	1.2	2.4	4.3	3.0	2.3	7.8	4.0
Unrelated non-parent caretaker	3.7	0.0	2.5	2.8	0.0	2.0	3.1	0.0	2.1
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	3.4	9.9	5.5	3.8	9.3	5.4	4.4	14.1	7.3
Serving in U.S. military in 2019 ^c	4.0	0.0	2.7	2.6	0.2	1.9	1.6	0.0	1.1
Number of people in household	—	—	—	—	—	—	—	—	—
2	4.3	0.0	2.9	5.8	3.5	5.1	5.5	3.7	5.0
3	19.3	20.8	19.8	20.3	20.0	20.2	20.3	10.5	17.3
4	23.6	35.7	27.5	27.4	30.0	28.1	25.6	29.0	26.6
5	20.3	20.7	20.4	20.9	22.8	21.5	18.6	29.2	21.8
6 or more	32.5	22.9	29.4	25.6	23.8	25.1	29.9	27.7	29.2
Percent with working parent(s)	61.5	75.1	65.9	67.7	83.1	72.3	69.3	81.3	72.9

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Annual family income relative to FPG ^b	—	—	—	—	—	—	—	—	—
No income	8.4	0.0	5.7	5.6	0.0	4.0	6.2	0.0	4.3
Up to 50% FPG	16.2	0.0	11.0	16.7	0.0	11.8	14.0	0.0	9.7
More than 50% up to 100% FPG	22.8	0.0	15.4	22.9	0.0	16.2	22.9	0.0	16.0
More than 100% up to 130% FPG	18.7	0.0	12.6	21.6	0.0	15.2	20.7	0.0	14.4
More than 130% up to 150% FPG	11.9	0.0	8.0	10.6	0.0	7.5	13.1	0.0	9.1
More than 150% up to 185% FPG	22.0	0.0	14.9	22.6	0.0	15.9	23.1	0.0	16.1
More than 185% up to 200% FPG	0.0	13.5	4.4	0.0	11.7	3.4	0.0	10.0	3.0
More than 200% FPG ^d	0.0	86.5	28.0	0.0	88.3	26.1	0.0	90.0	27.2
Receipt of other benefits	—	—	—	—	—	—	—	—	—
No benefit receipt	27.2	0.0	18.4	25.4	0.0	17.9	24.4	0.0	17.1
Medicaid, SNAP, and TANF	4.5	0.6	3.3	4.5	0.3	3.2	5.3	2.3	4.4
SNAP and TANF only	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1
Medicaid and SNAP only	31.0	20.7	27.7	30.3	16.9	26.4	32.5	11.8	26.3
Medicaid and TANF only	0.2	2.1	0.8	0.3	1.0	0.5	0.5	2.2	1.0
SNAP only	10.7	7.5	9.6	4.3	7.4	5.2	5.5	9.0	6.6
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	26.4	68.8	40.1	35.2	74.3	46.7	31.6	74.8	44.7

Note: These estimates were tabulated from the fully adjusted person weights for the CPS-ASEC data. They were adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

^d Although 32.4 percent of infants eligible for WIC were in households with annual income that exceeded 185 percent of the FPG, the proportion of WIC participants in households with annual income that exceeded 185 percent of the FPG was much lower (2.7 percent of total participants in 2018; Kline et al., 2020). The table shows the mutually exclusive count of infants and children who were directly income-eligible for WIC (family income ≤ 185 percent of FPG) and those who appeared to be solely adjunctively income-eligible (family income > 185 percent of FPG and receiving SNAP, TANF, or Medicaid) based on annualized income.

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Source: U.S. Census Bureau, n.d.a

Table A.6b2 (continued). Estimated Average Monthly Numbers of Infants and Children by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Percentages): CY 2019

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Total	1,237,476	516,796	1,754,272	1,372,495	526,146	1,898,641	5,021,745	2,071,057	7,092,802
Gender	—	—	—	—	—	—	—	—	—
Male	52.3	55.0	53.1	51.1	53.8	51.8	51.8	53.4	52.3
Female	47.7	45.0	46.9	48.9	46.2	48.2	48.2	46.6	47.7
Race	—	—	—	—	—	—	—	—	—
White	63.2	77.8	67.5	67.5	71.7	68.7	65.5	73.3	67.8
Black	23.4	14.5	20.8	23.2	18.4	21.8	22.4	16.3	20.6
Other	13.4	7.6	11.7	9.4	9.9	9.5	12.1	10.4	11.6
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—
Hispanic/Latino	33.0	35.6	33.8	36.2	31.6	34.9	35.1	33.5	34.6
Not Hispanic/Latino	67.0	64.4	66.2	63.8	68.4	65.1	64.9	66.5	65.4
Living arrangement	—	—	—	—	—	—	—	—	—
Two-parent family	51.1	64.1	54.9	50.7	60.8	53.5	52.8	64.9	56.3
Single-parent family	42.1	32.3	39.2	43.3	33.2	40.5	41.3	29.7	37.9
No-parent family	6.8	3.6	5.9	6.0	6.0	6.0	5.9	5.5	5.7
Related nonparent caretaker	4.2	3.6	4.0	3.5	6.0	4.2	3.1	5.5	3.8
Unrelated nonparent caretaker	2.6	0.0	1.8	2.5	0.0	1.8	2.7	0.0	1.9
Military status of household members	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	3.6	10.2	5.6	4.1	9.8	5.7	4.0	10.9	6.0
Serving in U.S. military in 2019 ^c	0.8	0.0	0.6	1.3	0.2	1.0	1.6	0.1	1.1
Number of people in household	—	—	—	—	—	—	—	—	—
2	6.9	5.7	6.5	5.0	5.0	5.0	5.8	4.5	5.4
3	15.7	13.3	15.0	18.1	14.2	17.1	18.6	14.4	17.4
4	26.9	29.2	27.6	25.9	28.5	26.6	26.4	29.1	27.2
5	19.1	27.1	21.4	19.6	22.4	20.4	19.5	25.4	21.3
6 or more	31.5	24.7	29.5	31.3	29.9	30.9	29.7	26.6	28.8

Characteristics	3-Year-Old Children Eligible for WIC			4-Year-Old Children Eligible for WIC			Children Eligible for WIC		
	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total	Family Income ≤ 185% FPG ^a	Adjunctively Income- Eligible >185% FPG ^b	Total
Percent with working parent(s)	69.6	83.2	73.6	72.4	81.9	75.0	69.8	82.3	73.5
Annual family income relative to FPG	—	—	—	—	—	—	—	—	—
No income	6.9	0.0	4.8	7.5	0.0	5.4	6.6	0.0	4.7
Up to 50% FPG	15.0	0.0	10.6	12.2	0.0	8.8	14.4	0.0	10.2
More than 50% up to 100% FPG	24.2	0.0	17.1	26.8	0.0	19.3	24.3	0.0	17.2
More than 100% up to 130% FPG	18.4	0.0	13.0	17.1	0.0	12.4	19.4	0.0	13.7
More than 130% up to 150% FPG	12.5	0.0	8.8	13.6	0.0	9.8	12.5	0.0	8.9
More than 150% up to 185% FPG	23.0	0.0	16.2	22.9	0.0	16.6	22.9	0.0	16.2
More than 185% up to 200% FPG	0.0	13.1	3.9	0.0	12.6	3.5	0.0	11.8	3.5
More than 200% FPG ^d	0.0	86.9	25.6	0.0	87.4	24.2	0.0	88.2	25.7
Receipt of other benefits	—	—	—	—	—	—	—	—	—
No benefit receipt	24.0	0.0	17.0	27.0	0.0	19.5	25.3	0.0	17.9
Medicaid, SNAP, and TANF	4.7	1.4	3.8	3.1	2.3	2.9	4.4	1.6	3.6
SNAP and TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid and SNAP only	30.1	18.4	26.6	33.0	12.6	27.3	31.5	14.9	26.7
Medicaid and TANF only	0.4	0.8	0.5	0.4	0.5	0.4	0.4	1.1	0.6
SNAP only	6.3	9.0	7.1	5.5	9.1	6.5	5.4	8.6	6.4
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	34.5	70.3	45.0	30.9	75.5	43.3	33.0	73.7	44.9

Note: These estimates were tabulated from the fully adjusted person weights for the CPS-ASEC data. They were adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The WIC economic unit is defined as all individuals in the CPS-ASEC household who are related by blood, marriage, or adoption, plus the unmarried partner of any family member as well as that partner's dependents. Infants and children in economic units with annual income less than or equal to 185 percent of the FPG for the unit's size are income-eligible for WIC.

^b Adjunctively income-eligible infants and children were in economic units that reported participating in Medicaid, SNAP, or TANF during the prior year and had annual income exceeding 185 percent of the FPG for the unit's size.

^c The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

^d Although 29.2 percent children eligible for WIC were in households with annual income that exceeded 185 percent of the FPG, the proportion of WIC participants in households with annual income that exceeded 185 percent of the FPG was much lower (2.7 percent of total participants in 2018; Kline et al., 2020). The table shows the mutually exclusive count of children who were directly income-eligible for WIC (family income ≤ 185 percent of FPG) and those who appeared to be solely adjunctively income-eligible (family income > 185 percent of FPG and receiving SNAP, TANF, or Medicaid) based on annualized income.

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Source: U.S. Census Bureau, n.d.

Table A.7. Changes in the Total Population, Total WIC Eligibility, and WIC Eligibility Rates by Participant Category: CY 2018–CY 2019

Participant Category	2018	2019	Percent Change 2018–2019
Total Population			
Infants	3,817,508	3,736,739	-2.1
Children	16,063,431	15,805,699	-1.6*
1-year-old children	3,924,580	3,866,196	-1.5
2-year-old children	3,974,744	3,931,383	-1.1
3-year-old children	4,050,942	3,963,295	-2.2*
4-year-old children	4,113,165	4,044,826	-1.7
Pregnant women	2,847,899	2,787,546	-2.1
Postpartum women	3,797,198	3,716,728	-2.1
Breastfeeding women	2,222,934	2,020,722	-9.1*
Non-breastfeeding women	1,574,264	1,696,005	7.7*
Total	26,526,035	26,046,712	-1.8*
Total Eligible			
Infants	1,778,074	1,617,143	-9.1*
Children	7,827,066	7,199,043	-8.0*
1-year-old children	1,925,732	1,696,150	-11.9*
2-year-old children	1,931,721	1,793,823	-7.1*
3-year-old children	2,051,732	1,781,576	-13.2*
4-year-old children	1,917,881	1,927,494	0.5
Pregnant women	1,172,560	1,066,052	-9.1*
Postpartum women	1,214,917	1,108,854	-8.7*
Breastfeeding women	806,186	742,473	-7.9*
Non-breastfeeding women	408,731	366,381	-10.4*
Total	11,992,617	10,991,092	-8.4*
Eligibility Rate			
Infants	46.6	43.3	-7.1*
Children	48.7	45.5	-6.5*
1-year-old children	49.1	43.9	-10.6*
2-year-old children	48.6	45.6	-6.1*
3-year-old children	50.6	45.0	-11.2*
4-year-old children	46.6	47.7	2.2
Pregnant women	41.2	38.2	-7.1*
Postpartum women	32.0	29.8	-6.8*
Breastfeeding women	36.3	36.7	1.3
Non-breastfeeding women	26.0	21.6	-16.8*
Total	45.2	42.2	-6.7*

Note: The average monthly population of postpartum women includes all women who gave birth less than 1 year prior, even if they are not categorically eligible for WIC because they are more than 6 months postpartum and are not breastfeeding.

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

* indicates a statistically significant difference between the 2018 and 2019 estimates of individuals eligible for WIC or WIC eligibility rate at the 95-percent confidence level. The statistical significance testing was conducted on the 2018–2019 change in WIC eligibility based on the CPS-ASEC data, which included data only for States. It did not include data for Puerto Rico or the other U.S. territories served by WIC.

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b

Table A.8. Stepwise Comparison of Changes in Average Monthly Numbers of Infants and Children Eligible for WIC as Estimated in the March CPS-ASEC: CY 2018–CY 2019

Step	Infants	Children	Total
2018			
Total number of infants/children in the March CPS	3,688,675	16,046,856	19,735,530
Number (non-U.S. territory) after adjustment for CPS undercount/overcount	3,788,582	15,934,195	19,722,777
Number with annual income < 185% FPG	1,272,760	5,419,515	6,692,275
Number with adjunctive income eligibility	455,827	1,938,358	2,394,184
Through SNAP	134,196	548,341	682,537
Through TANF	5,023	18,344	23,367
Through Medicaid	316,607	1,371,673	1,688,281
Number before monthly income adjustment	1,728,587	7,357,873	9,086,459
Number after monthly income adjustment	1,807,177	7,789,642	9,596,819
Total eligibility: Number after adjustment for nutritional risk (infants and children)	1,752,961	7,711,746	9,464,707
2019			
Total number of infants/children in the March CPS	3,648,076	15,778,141	19,426,217
Number (non-U.S. territory) after adjustment for CPS undercount/overcount	3,709,178	15,685,032	19,394,210
Number with annual income < 185% FPG	1,060,653	4,789,253	5,849,906
Number with adjunctive income eligibility	504,966	1,963,133	2,468,099
Through SNAP	148,237	496,745	644,981
Through TANF	10,945	21,615	32,560
Through Medicaid	345,784	1,444,773	1,790,557
Number before monthly income adjustment	1,565,619	6,752,386	8,318,005
Number after monthly income adjustment	1,642,979	7,164,446	8,807,425
Total eligibility: Number after adjustment for nutritional risk (infants and children)	1,593,689	7,092,802	8,686,491
Percent Change 2018–2019			
Total number of infants/children in the March CPS	-1.1	-1.7	-1.6
Number (non-U.S. territory) after adjustment for CPS undercount/overcount	-2.1	-1.6	-1.7
Number with annual income < 185% FPG	-16.7	-11.6	-12.6
Number with adjunctive income eligibility	10.8	1.3	3.1
Through SNAP	10.5	-9.4	-5.5
Through TANF	117.9	17.8	39.3
Through Medicaid	9.2	5.3	6.1
Number before monthly income adjustment	-9.4	-8.2	-8.5
Number after monthly income adjustment	-9.1	-8.0	-8.2
Total eligibility: Number after adjustment for nutritional risk (infants and children)	-9.1	-8.0	-8.2

Note: This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a, n.d.b

Table A.9. Standard Error and Coefficient of Variation for Estimates by Participant Category: CY 2019

Participant Category	Estimate		Standard Error		Coefficient of Variation (Percent)	
	Total Population	Eligible for WIC	Total Population	Eligible for WIC	Total Population	Eligible for WIC
Infants	3,709,178	1,593,689	40,029	50,965	1.1	3.2
Children	15,685,032	7,092,802	72,241	95,739	0.5	1.4
1-year-old children	3,839,398	1,671,851	36,714	46,674	1.0	2.8
2-year-old children	3,902,595	1,768,038	36,149	49,211	0.9	2.8
3-year-old children	3,931,631	1,754,272	36,551	48,795	0.9	2.8
4-year-old children	4,011,408	1,898,641	37,860	48,869	0.9	2.6
Pregnant women	2,766,939	1,050,573	29,863	33,593	1.1	3.2
Postpartum breastfeeding women	2,005,795	731,650	21,614	23,211	1.1	3.2
Postpartum non-breastfeeding women	1,683,457	361,085	18,370	11,728	1.1	3.2
Total	25,850,402	10,829,799	128,921	151,734	0.5	1.4

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. This table does not include estimates for Puerto Rico or the other U.S. territories.

CY = calendar year

Source: U.S. Census Bureau, n.d.a

Appendix B. Detailed Tables for Regional- and State-Level WIC Estimates: CY 2019

The tables in this appendix present detailed estimates of individuals eligible for WIC and coverage rates by FNS Region and State for 2019. A list of the seven FNS Regions and the States included in each Region in 2019 follows.² Note that the District of Columbia and U.S. territories are included in references to States unless otherwise indicated.

FNS Regions and the States Within Each Region in CY 2019

▶ **Northeast**

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- New York
- Rhode Island
- U.S. Virgin Islands
- Vermont

▶ **Mid-Atlantic**

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

▶ **Southeast**

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

▶ **Midwest**

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

▶ **Southwest**

- Arizona
- Arkansas
- Louisiana
- New Mexico
- Oklahoma
- Texas
- Utah

▶ **Mountain Plains**

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

▶ **Western**

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

² On October 1, 2019, the FNS Regions were realigned. The 2019 estimates presented in this report reflect the realigned FNS Regions.

Table B.1. WIC Eligibility, Participants, and Coverage Rates by State and FNS Region: CY 2019

This table shows the estimated number of individuals eligible for WIC, the number of individuals participating in WIC, and the resulting coverage rates by State and FNS Region.

Table B.2. WIC Eligibility, Participants, and Coverage Rates by FNS Region and States in Each Region: CY 2019

This table shows the estimated number of individuals eligible for WIC, the number of individuals participating in WIC, and the resulting coverage rates by FNS Region and the States within each Region.

Table B.3. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2019

This table shows the estimated number of individuals eligible for WIC, the number of individuals participating in WIC, and the resulting coverage rates by FNS Region and participant category.

Table B.4. WIC Eligibility Standard Errors by State and FNS Region: CY 2019

This table shows the estimated number of individuals eligible for WIC and the associated standard errors and coefficients of variation by State and FNS Region.

Table B.5. WIC Eligibility Standard Errors by FNS Region and States in Each Region: CY 2019

This table shows the estimated number of individuals eligible for WIC and the associated standard errors and coefficients of variation by FNS Region and the States within each Region.

Table B.6. Standard Errors for WIC Eligibility by FNS Region and Participant Category: CY 2019

This table shows the estimated number of individuals eligible for WIC and the associated standard errors and coefficients of variation by FNS Region and participant category.

Table B.7. Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC in Puerto Rico and the Other U.S. Territories by Participant Category: CY 2019

Analogous to table A.5 of the national estimates, this table shows the step-by-step adjustments made to calculate the final numbers of infants, children, and pregnant and postpartum women who were eligible for WIC in Puerto Rico (table B.7a) and the other U.S. territories (table B.7b) based on the PRCS data for Puerto Rico (IPUMS-USA, n.d.) and the U.S. Census Bureau population estimates for the other territories (U.S. Census Bureau, n.d.b).

Table B.8. Regional Estimates of the Average Monthly Numbers of Infants and Children Eligible for WIC by Demographic and Income Characteristics: CY 2019

This table shows the estimated numbers of infants and children eligible for WIC by demographic and income characteristics in the CPS-ASEC data by FNS Region (U.S. Census Bureau, n.d.a). It is similar to table A.6a but shows the data by Region and does not show results for children by year of age. Note that this table does not include infants and children from Puerto Rico or the other U.S. territories. This table shows these characteristics using weights that have been fully adjusted, including adjustments for the undercount/overcount in the CPS (population adjustment), monthly income and certification periods (annual-to-monthly adjustment), and nutritional risk.

Table B.9. WIC Coverage Rates by State: CY 2005–CY 2019

This table shows WIC coverage rates by State and year.

Table B.10. WIC Coverage Rates by State and Participant Category With Margins of Error for 95-Percent Confidence Intervals: CY 2019

This table shows the coverage rates by State and participant category and the associated margins of error (MOEs). The MOE is a measure of the estimate's variability. The larger the MOE in relation to the size of the estimate, the less reliable the estimate. This number, when added to and subtracted from the estimate, forms the 95-percent confidence interval.

Table B.11. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity With Margins of Error for 95-Percent Confidence Intervals: CY 2019

This table shows the State-level coverage rates by race and Hispanic ethnicity and the associated MOEs.

Table B.1. WIC Eligibility, Participants, and Coverage Rates by State and FNS Region: CY 2019

State	Number Eligible	Number Participating	Coverage Rate
Alabama	185,112	114,454	61.8*
Alaska	29,985	15,741	52.5
Arizona	252,442	140,747	55.8
Arkansas	133,103	65,366	49.1*
California	1,307,996	900,654	68.9*
Colorado	152,037	81,187	53.4*
Connecticut	82,203	45,200	55.0
Delaware	32,551	16,253	49.9*
District of Columbia	19,331	11,879	61.4
Florida	734,199	423,881	57.7
Georgia	410,673	202,160	49.2*
Hawaii	43,590	25,443	58.4
Idaho	66,696	30,543	45.8*
Illinois	375,608	179,152	47.7*
Indiana	233,905	138,090	59.0
Iowa	98,365	57,628	58.6
Kansas	87,221	47,896	54.9
Kentucky	164,479	93,322	56.7
Louisiana	205,123	100,202	48.9*
Maine	32,494	17,208	53.0
Maryland	179,443	121,792	67.9*
Massachusetts	164,079	102,594	62.5*
Michigan	318,396	205,016	64.4*
Minnesota	147,889	99,394	67.2*
Mississippi	131,639	78,447	59.6
Missouri	200,241	105,160	52.5*
Montana	35,138	15,519	44.2*
Nebraska	57,262	33,872	59.2

State	Number Eligible	Number Participating	Coverage Rate
Nevada	100,030	59,019	59.0
New Hampshire	23,360	12,060	51.6
New Jersey	231,367	134,485	58.1
New Mexico	92,567	40,220	43.5*
New York	629,999	371,533	59.0
North Carolina	366,161	208,072	56.8
North Dakota	18,472	11,206	60.7
Ohio	364,624	190,690	52.3*
Oklahoma	156,368	91,075	58.2
Oregon	116,029	80,018	69.0*
Pennsylvania	362,974	198,481	54.7
Puerto Rico	128,754	105,382	81.8
Rhode Island	26,108	17,852	68.4*
South Carolina	192,773	82,228	42.7*
South Dakota	30,677	16,396	53.4
Tennessee	251,143	109,444	43.6*
Texas	1,186,061	678,959	57.2
Utah	99,146	42,697	43.1*
Vermont	15,457	11,223	72.6*
Virginia	221,025	109,159	49.4*
Washington	239,820	127,624	53.2*
West Virginia	59,718	32,790	54.9
Wisconsin	150,202	86,911	57.9
Wyoming	14,516	7,819	53.9
FNS Region			
Northeast	980,768	580,614	59.2
Mid-Atlantic	1,235,164	730,222	59.1
Southeast	2,436,179	1,312,008	53.9*
Midwest	1,688,989	956,881	56.7
Southwest	2,124,811	1,159,265	54.6*
Mountain Plains	595,564	319,054	53.6*
Western	1,929,618	1,253,551	65.0*
Total	10,991,092	6,311,594	57.4

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. State and regional eligibility estimates and participant data include individuals in Indian Tribal Organizations who were eligible for WIC and/or receiving WIC. Estimates for U.S. territories other than Puerto Rico are included in regional totals but not shown separately because of small sample sizes. Estimates for Puerto Rico are shown separately and included in the Mid-Atlantic regional totals. As a result, the Mid-Atlantic regional coverage rate was excluded from significance testing. When Puerto Rico was excluded from the Mid-Atlantic Region, the regional coverage rate was 56.5 percent, which is not statistically different from the national coverage rate at a 95-percent confidence level.

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year; FNS = Food and Nutrition Service

* indicates a statistically significant difference between the State or regional coverage rate and the national coverage rate at the 95-percent confidence level. The statistical significance testing was conducted based on the CPS-ASEC data, which included data only for States. It did not include data for Puerto Rico or the other U.S. territories served by WIC; therefore, no statistical testing was done to compare the provided coverage rate for Puerto Rico to that of the national coverage rate.

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b; unpublished internal WIC administrative data

Table B.2. WIC Eligibility, Participants, and Coverage Rates by FNS Region and States in Each Region: CY 2019

FNS Region and State	Number Eligible	Number Participating	Coverage Rate
Northeast	980,768	580,614	59.2
Connecticut	82,203	45,200	55.0
Maine	32,494	17,208	53.0
Massachusetts	164,079	102,594	62.5*
New Hampshire	23,360	12,060	51.6
New York	629,999	371,533	59.0
Rhode Island	26,108	17,852	68.4*
Vermont	15,457	11,223	72.6*
Mid-Atlantic	1,235,164	730,222	59.1
Delaware	32,551	16,253	49.9*
District of Columbia	19,331	11,879	61.4
Maryland	179,443	121,792	67.9*
New Jersey	231,367	134,485	58.1
Pennsylvania	362,974	198,481	54.7
Puerto Rico	128,754	105,382	81.8
Virginia	221,025	109,159	49.4*
West Virginia	59,718	32,790	54.9
Southeast	2,436,179	1,312,008	53.9*
Alabama	185,112	114,454	61.8*
Florida	734,199	423,881	57.7
Georgia	410,673	202,160	49.2*
Kentucky	164,479	93,322	56.7
Mississippi	131,639	78,447	59.6
North Carolina	366,161	208,072	56.8
South Carolina	192,773	82,228	42.7*
Tennessee	251,143	109,444	43.6*
Midwest	1,688,989	956,881	56.7
Illinois	375,608	179,152	47.7*
Indiana	233,905	138,090	59.0
Iowa	98,365	57,628	58.6
Michigan	318,396	205,016	64.4*
Minnesota	147,889	99,394	67.2*
Ohio	364,624	190,690	52.3*
Wisconsin	150,202	86,911	57.9
Southwest	2,124,811	1,159,265	54.6*
Arizona	252,442	140,747	55.8
Arkansas	133,103	65,366	49.1*
Louisiana	205,123	100,202	48.9*
New Mexico	92,567	40,220	43.5*
Oklahoma	156,368	91,075	58.2
Texas	1,186,061	678,959	57.2
Utah	99,146	42,697	43.1*

FNS Region and State	Number Eligible	Number Participating	Coverage Rate
Mountain Plains	595,564	319,054	53.6*
Colorado	152,037	81,187	53.4*
Kansas	87,221	47,896	54.9
Missouri	200,241	105,160	52.5*
Montana	35,138	15,519	44.2*
Nebraska	57,262	33,872	59.2
North Dakota	18,472	11,206	60.7
South Dakota	30,677	16,396	53.4
Wyoming	14,516	7,819	53.9
Western	1,929,618	1,253,551	65.0*
Alaska	29,985	15,741	52.5
California	1,307,996	900,654	68.9*
Hawaii	43,590	25,443	58.4
Idaho	66,696	30,543	45.8*
Nevada	100,030	59,019	59.0
Oregon	116,029	80,018	69.0*
Washington	239,820	127,624	53.2*
Total	10,991,092	6,311,594	57.4

Note: On October 1, 2019, the FNS Regions were realigned. The FNS Regions presented in this table reflect the realigned FNS Regions. State and regional eligibility estimates and participant data include individuals in Indian Tribal Organizations who were eligible for WIC and/or receiving WIC. Estimates for the U.S. territories other than Puerto Rico are included in regional totals but not shown separately because of small sample sizes. Estimates for Puerto Rico are shown separately and included in the Mid-Atlantic regional totals. As a result, the Mid-Atlantic regional coverage rate was excluded from significance testing. When Puerto Rico was excluded from the Mid-Atlantic Region, the regional coverage rate was 56.5 percent, which is not statistically different from the national coverage rate at a 95-percent confidence level.

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year; FNS = Food and Nutrition Service

* indicates a statistically significant difference between the State or regional coverage rate and the national coverage rate at the 95-percent confidence level. The statistical significance testing was conducted based on the CPS-ASEC data, which included data only for States. It did not include data for Puerto Rico or the other U.S. territories served by WIC; therefore, no statistical testing was done to compare the provided coverage rate for Puerto Rico to that of the national coverage rate.

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b; unpublished internal WIC administrative data

Table B.3. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2019

FNS Region	Infants	Children	Pregnant Women	Postpartum Women	Total
Number Eligible					
Northeast	143,267	642,465	94,435	100,600	980,768
Mid-Atlantic	179,566	813,842	118,409	123,347	1,235,164
Southeast	371,996	1,573,946	245,351	244,886	2,436,179
Midwest	241,338	1,126,580	158,946	162,125	1,688,989
Southwest	320,297	1,376,484	211,227	216,802	2,124,811
Mountain Plains	89,213	385,468	58,711	62,172	595,564
Western	271,465	1,280,258	178,973	198,922	1,929,618
Total	1,617,143	7,199,043	1,066,052	1,108,854	10,991,092
Number Participating					
Northeast	136,982	311,682	49,256	82,695	580,614
Mid-Atlantic	177,849	385,595	63,728	103,050	730,222
Southeast	357,372	631,266	127,337	196,032	1,312,008
Midwest	258,112	479,811	84,306	134,652	956,881
Southwest	309,238	546,515	102,541	200,971	1,159,265
Mountain Plains	80,731	162,764	28,608	46,951	319,054
Western	270,633	705,947	101,948	175,024	1,253,551
Total	1,590,916	3,223,578	557,725	939,375	6,311,594
Coverage Rate					
Northeast	95.6	48.5*	52.2	82.2	59.2
Mid-Atlantic	99.0	47.4	53.8	83.5	59.1
Southeast	96.1	40.1*	51.9	80.1	53.9*
Midwest	100.0*	42.6	53.0	83.1	56.7
Southwest	96.5	39.7*	48.5	92.7*	54.6*
Mountain Plains	90.5	42.2	48.7	75.5*	53.6*
Western	99.7	55.1*	57.0*	88.0	65.0*
Total	98.4	44.8	52.3	84.7	57.4

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. The estimated coverage rate exceeded 100 percent for infants in the Midwest Region. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates. Regional eligibility estimates and participant data include individuals in Indian Tribal Organizations who were eligible for WIC and/or receiving WIC. Estimates for Puerto Rico are included in the Mid-Atlantic regional totals. As a result, the Mid-Atlantic regional coverage rates were excluded from significance testing. When Puerto Rico was excluded from the Mid-Atlantic Region, the regional coverage rates were not statistically different from the national coverage rates at a 95-percent confidence level.

CY = calendar year; FNS = Food and Nutrition Service

* indicates a statistically significant difference between the regional coverage rate and the national coverage rate at the 95-percent confidence level

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b; unpublished internal WIC administrative data

Table B.4. Standard Errors and Coefficients of Variation for Estimated Number of Individuals Eligible for WIC by State and FNS Region: CY 2019

State	Number Eligible	Standard Error	Coefficient of Variation (Percent)
Alabama	185,112	6,905	3.7
Alaska	29,985	3,362	11.2
Arizona	252,442	9,106	3.6
Arkansas	133,103	4,961	3.7
California	1,307,996	30,960	2.4
Colorado	152,037	5,546	3.6
Connecticut	82,203	4,160	5.1
Delaware	32,551	2,571	7.9
District of Columbia	19,331	1,495	7.7
Florida	734,199	15,372	2.1
Georgia	410,673	9,957	2.4
Hawaii	43,590	5,452	12.5
Idaho	66,696	3,945	5.9
Illinois	375,608	10,095	2.7
Indiana	233,905	7,773	3.3
Iowa	98,365	4,793	4.9
Kansas	87,221	4,158	4.8
Kentucky	164,479	5,807	3.5
Louisiana	205,123	6,137	3.0
Maine	32,494	2,587	8.0
Maryland	179,443	6,818	3.8
Massachusetts	164,079	5,561	3.4
Michigan	318,396	10,185	3.2
Minnesota	147,889	8,675	5.9
Mississippi	131,639	4,573	3.5
Missouri	200,241	6,374	3.2
Montana	35,138	2,888	8.2
Nebraska	57,262	3,519	6.1
Nevada	100,030	4,678	4.7
New Hampshire	23,360	2,437	10.4
New Jersey	231,367	7,269	3.1
New Mexico	92,567	4,027	4.4

State	Number Eligible	Standard Error	Coefficient of Variation (Percent)
New York	629,999	17,966	2.9
North Carolina	366,161	10,044	2.7
North Dakota	18,472	2,721	14.7
Ohio	364,624	10,927	3.0
Oklahoma	156,368	7,409	4.7
Oregon	116,029	5,192	4.5
Pennsylvania	362,974	9,381	2.6
Rhode Island	26,108	2,186	8.4
South Carolina	192,773	6,737	3.5
South Dakota	30,677	3,087	10.1
Tennessee	251,143	7,387	2.9
Texas	1,186,061	22,943	1.9
Utah	99,146	4,813	4.9
Vermont	15,457	1,387	9.0
Virginia	221,025	8,284	3.7
Washington	239,820	9,098	3.8
West Virginia	59,718	2,653	4.4
Wisconsin	150,202	6,369	4.2
Wyoming	14,516	1,507	10.4
FNS Region			
Northeast	973,701	25,088	2.6
Mid-Atlantic	1,106,409	22,666	2.0
Southeast	2,436,179	43,937	1.8
Midwest	1,688,989	37,973	2.2
Southwest	2,124,811	43,213	2.0
Mountain Plains	595,564	16,643	2.8
Western	1,904,147	49,626	2.6
Total	10,829,799	151,734	1.4

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. State and regional eligibility estimates include individuals in Indian Tribal Organizations who were eligible for WIC. Estimates for Puerto Rico or the other U.S. territories are not included in regional totals or standard errors.

CY = calendar year; FNS = Food and Nutrition Service

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a

Table B.5. WIC Eligibility Standard Errors by FNS Region and States in Each Region: CY 2019

FNS Region and State	Number Eligible	Standard Error	Coefficient of Variation (Percent)
Northeast	973,701	25,088	2.6
Connecticut	82,203	4,160	5.1
Maine	32,494	2,587	8.0
Massachusetts	164,079	5,561	3.4
New Hampshire	23,360	2,437	10.4
New York	629,999	17,966	2.9
Rhode Island	26,108	2,186	8.4
Vermont	15,457	1,387	9.0
Mid-Atlantic	1,106,409	22,666	2.0
Delaware	32,551	2,571	7.9
District of Columbia	19,331	1,495	7.7
Maryland	179,443	6,818	3.8
New Jersey	231,367	7,269	3.1
Pennsylvania	362,974	9,381	2.6
Virginia	221,025	8,284	3.7
West Virginia	59,718	2,653	4.4
Southeast	2,436,179	43,937	1.8
Alabama	185,112	6,905	3.7
Florida	734,199	15,372	2.1
Georgia	410,673	9,957	2.4
Kentucky	164,479	5,807	3.5
Mississippi	131,639	4,573	3.5
North Carolina	366,161	10,044	2.7
South Carolina	192,773	6,737	3.5
Tennessee	251,143	7,387	2.9
Midwest	1,688,989	37,973	2.2
Illinois	375,608	10,095	2.7
Indiana	233,905	7,773	3.3
Iowa	98,365	4,793	4.9
Michigan	318,396	10,185	3.2
Minnesota	147,889	8,675	5.9

FNS Region and State	Number Eligible	Standard Error	Coefficient of Variation (Percent)
Ohio	364,624	10,927	3.0
Wisconsin	150,202	6,369	4.2
Southwest	2,124,811	43,213	2.0
Arizona	252,442	9,106	3.6
Arkansas	133,103	4,961	3.7
Louisiana	205,123	6,137	3.0
New Mexico	92,567	4,027	4.4
Oklahoma	156,368	7,409	4.7
Texas	1,186,061	22,943	1.9
Utah	99,146	4,813	4.9
Mountain Plains	595,564	16,643	2.8
Colorado	152,037	5,546	3.6
Kansas	87,221	4,158	4.8
Missouri	200,241	6,374	3.2
Montana	35,138	2,888	8.2
Nebraska	57,262	3,519	6.1
North Dakota	18,472	2,721	14.7
South Dakota	30,677	3,087	10.1
Wyoming	14,516	1,507	10.4
Western	1,904,147	49,626	2.6
Alaska	29,985	3,362	11.2
California	1,307,996	30,960	2.4
Hawaii	43,590	5,452	12.5
Idaho	66,696	3,945	5.9
Nevada	100,030	4,678	4.7
Oregon	116,029	5,192	4.5
Washington	239,820	9,098	3.8
Total	10,829,799	151,734	1.4

Note: On October 1, 2019, the FNS Regions were realigned. The regions presented in this table reflect the realigned FNS Regions. State and regional eligibility estimates include individuals in Indian Tribal Organizations who were eligible for WIC. Estimates for Puerto Rico or the other U.S. territories are not included in regional totals or standard errors. The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate.

CY = calendar year; FNS = Food and Nutrition Service

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a

Table B.6. Standard Errors and Coefficients of Variation for Estimated Number of Individuals Eligible for WIC by FNS Region and Participant Category: CY 2019

FNS Region	Infants	Children	Pregnant Women	Postpartum Women	Total
Number Eligible					
Northeast	142,211	637,874	93,739	99,876	973,701
Mid-Atlantic	161,078	728,501	106,199	110,632	1,106,409
Southeast	371,996	1,573,946	245,351	244,886	2,436,179
Midwest	241,338	1,126,580	158,946	162,125	1,688,989
Southwest	320,297	1,376,484	211,227	216,802	2,124,811
Mountain Plains	89,213	385,468	58,711	62,172	595,564
Western	267,555	1,263,951	176,399	196,242	1,904,147
Total	1,593,689	7,092,802	1,050,573	1,092,735	10,829,799
Standard Error					
Northeast	6,474	21,905	4,270	4,516	25,088
Mid-Atlantic	7,073	18,221	4,663	4,863	22,666
Southeast	13,715	32,980	9,046	9,022	43,937
Midwest	9,461	31,687	6,234	6,340	37,973
Southwest	12,056	32,565	7,950	8,157	43,213
Mountain Plains	4,938	12,599	3,253	3,443	16,643
Western	10,143	42,620	6,687	7,383	49,626
Total	50,965	95,739	33,593	34,826	151,734
Coefficient of Variation (Percent)					
Northeast	4.6	3.4	4.6	4.5	2.6
Mid-Atlantic	4.4	2.5	4.4	4.4	2.0
Southeast	3.7	2.1	3.7	3.7	1.8
Midwest	3.9	2.8	3.9	3.9	2.2
Southwest	3.8	2.4	3.8	3.8	2.0
Mountain Plains	5.5	3.3	5.5	5.5	2.8
Western	3.8	3.4	3.8	3.8	2.6
Total	3.2	1.4	3.2	3.2	1.4

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. Estimates for Puerto Rico and the other U.S. territories are not included in regional totals or standard errors.

CY = calendar year

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Table B.7a. Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC in Puerto Rico by Participant Category: CY 2019

Puerto Rico	Infants	1-Year-Old Children	2-Year-Old Children	3-Year-Old Children	4-Year-Old Children	All Children	Pregnant Women	Postpartum Breastfeeding Women	Postpartum Non-Breastfeeding Women	Total
Total number of infants/children in the PRCS	17,386	20,541	23,839	26,410	26,691	97,481	–	–	–	114,867
Number after adjustment for PRCS undercount/ overcount	21,387	20,596	22,545	25,406	27,174	95,722	–	–	–	117,108
Number with annual income <= 185 percent of the FPG	16,973	16,700	18,540	19,974	20,813	76,026	–	–	–	92,999
Number adjunctively income-eligible and with annual income > 185 percent of the FPG ^a	1,020	1,367	899	889	1,526	4,681	–	–	–	5,701
Through SNAP	884	446	599	667	736	2,448	–	–	–	3,332
Through TANF	0	166	0	0	0	166	–	–	–	166
Through Medicaid	135	754	301	222	790	2,067	–	–	–	2,202
Total number income and adjunctively income-eligible	17,993	18,067	19,439	20,863	22,339	80,708	–	–	–	98,700
Number after adjustment for monthly income and certification periods	19,060	19,297	20,763	22,284	23,860	86,204	–	–	–	105,263
Total number eligible: Number after adjustment for nutritional risk (infants and children)	18,488	19,104	20,555	22,061	23,622	85,342	–	–	–	103,830
Starting point for estimates of women is number of eligible infants	–	–	–	–	–	–	18,488	18,488	18,488	55,464
Number after adjustment for length of pregnancy and income of woman during pregnancy	–	–	–	–	–	–	12,618	–	–	12,618
Number after adjustment for multiple births and infant deaths	–	–	–	–	–	–	12,588	18,443	18,443	49,474
Number after adjustment for breastfeeding	–	–	–	–	–	–	–	8,537	4,177	12,715
Total number eligible: Number after adjustment for nutritional risk (pregnant and postpartum women)	–	–	–	–	–	–	12,210	8,537	4,177	24,925
Total number eligible in Puerto Rico	18,488	19,104	20,555	22,061	23,622	85,342	12,210	8,537	4,177	128,754

CY = calendar year; FPG = Federal Poverty Guidelines; PRCS = Puerto Rico Community Survey; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a Adjunctive income eligibility was counted by the first program that qualified the person for WIC, in this order: SNAP, TANF, Medicaid.

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Source: IPUMS-USA, n.d.

Table B.7b. Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC in the U.S. Territories Other Than Puerto Rico by Participant Category: CY 2019

Other U.S. Territories	Infants	1-Year-Old Children	2-Year-Old Children	3-Year-Old Children	4-Year-Old Children	All Children	Pregnant Women	Postpartum Breastfeeding Women	Postpartum Non-Breastfeeding Women	Total
Total number of infants/children in the other U.S. territories	6,174	6,201	6,243	6,258	6,244	24,946	–	–	–	31,120
Number after the other territories' full-eligibility factor	4,833	4,913	4,946	4,958	4,947	19,764	–	–	–	24,597
Number after monthly income adjustment	5,119	5,248	5,283	5,296	5,284	21,110	–	–	–	26,229
Total number eligible: Number after adjustment for nutritional risk (infants and children)	4,966	5,195	5,230	5,243	5,231	20,899	–	–	–	25,865
Starting point for estimates of women is number of eligible infants	–	–	–	–	–	–	4,966	4,966	4,966	14,897
Number after adjustment for length of pregnancy and income of woman during pregnancy	–	–	–	–	–	–	3,389	–	–	3,389
Number after adjustment for multiple births and infant deaths	–	–	–	–	–	–	3,370	4,938	4,938	13,247
Number after adjustment for breastfeeding	–	–	–	–	–	–	–	2,286	1,119	3,404
Total number eligible: Number after adjustment for nutritional risk (pregnant and postpartum women)	–	–	–	–	–	–	3,269	2,286	1,119	6,674
Total number eligible in U.S. Territories other than Puerto Rico	4,966	5,195	5,230	5,243	5,231	20,899	3,269	2,286	1,119	32,538
Total eligibility for Puerto Rico and other U.S. territories	23,453	24,299	25,785	27,304	28,853	106,241	15,479	10,823	5,296	161,293

CY = calendar year

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Source: U.S. Census Bureau, n.d.b

Table B.8. Regional Estimates of the Average Monthly Numbers of Infants and Children Eligible for WIC by Demographic and Income Characteristics (Fully Adjusted Weights, Percentages): CY 2019

Characteristics	Northeast			Mid-Atlantic			Southeast			Midwest		
	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children
Total	135,753	654,303	790,056	127,668	706,475	834,143	352,797	1,522,866	1,875,663	260,926	1,079,950	1,340,876
Gender	—	—	—	—	—	—	—	—	—	—	—	—
Male	68.7	54.4	56.9	43.0	52.2	50.8	52.1	50.8	51.0	43.0	53.5	51.5
Female	31.3	45.6	43.1	57.0	47.8	49.2	47.9	49.2	49.0	57.0	46.5	48.5
Race	—	—	—	—	—	—	—	—	—	—	—	—
White	76.5	68.9	70.2	48.5	65.1	62.5	59.2	56.3	56.9	68.7	58.3	60.3
Black	18.1	17.2	17.4	45.3	26.3	29.3	28.6	35.5	34.2	17.9	24.0	22.8
Other	5.5	13.9	12.4	6.1	8.6	8.2	12.2	8.2	8.9	13.4	17.7	16.9
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—	—	—	—
Hispanic/Latino	29.5	35.5	34.5	19.8	22.2	21.9	19.4	20.3	20.2	16.8	18.8	18.4
Not Hispanic/Latino	70.5	64.5	65.5	80.2	77.8	78.2	80.6	79.7	79.8	83.2	81.2	81.6
Living arrangement	—	—	—	—	—	—	—	—	—	—	—	—
Two-parent family	57.5	60.8	60.2	49.3	56.7	55.6	67.6	49.9	53.2	69.0	49.3	53.1
Single parent family	35.8	33.6	34.0	48.3	35.1	37.1	27.7	44.9	41.6	29.3	45.6	42.4
No parent family	6.8	5.6	5.8	2.4	8.1	7.3	4.7	5.2	5.1	1.7	5.1	4.5
Related nonparent caretaker	0.5	4.3	3.7	2.4	6.3	5.7	1.2	3.7	3.2	0.0	3.4	2.8
Unrelated nonparent caretaker	6.2	1.3	2.1	0.0	1.8	1.6	3.5	1.6	1.9	1.7	1.7	1.7
Military status of household members	—	—	—	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	0.0	3.1	2.6	0.0	4.2	3.5	7.8	6.9	7.1	7.2	6.7	6.8
Serving in U.S. military in 2019 ^a	0.0	0.0	0.0	2.4	1.9	2.0	5.6	1.3	2.1	0.0	0.6	0.5
Number of people in household	—	—	—	—	—	—	—	—	—	—	—	—
2	8.6	4.6	5.3	0.0	7.2	6.1	1.3	5.5	4.7	2.9	7.3	6.4
3	15.2	18.4	17.9	20.8	14.2	15.2	25.5	22.2	22.8	23.2	16.2	17.6
4	34.1	29.1	29.9	31.0	34.8	34.2	28.3	26.7	27.0	25.4	24.0	24.3
5	25.7	20.2	21.1	18.3	22.2	21.6	21.4	21.4	21.4	22.4	21.8	21.9
6 or more	16.3	27.7	25.8	29.9	21.5	22.8	23.5	24.2	24.1	26.1	30.7	29.8

Characteristics	Northeast			Mid-Atlantic			Southeast			Midwest		
	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children
Percent with working parent(s)	68.1	71.7	71.1	64.3	72.4	71.2	56.3	73.6	70.4	72.2	72.2	72.2
Annual family income relative to FPG	–	–	–	–	–	–	–	–	–	–	–	–
No income	6.2	4.3	4.6	6.3	4.7	4.9	6.6	5.8	5.9	5.2	3.5	3.8
Up to 50% FPG	12.8	10.0	10.5	5.7	6.8	6.6	13.5	10.9	11.4	12.7	13.2	13.1
More than 50% up to 100% FPG	15.2	14.5	14.6	20.8	18.7	19.0	15.1	22.2	20.8	18.3	20.3	19.9
More than 100% up to 130% FPG	7.4	11.7	11.0	12.7	9.7	10.2	19.5	15.0	15.8	4.3	13.9	12.0
More than 130% up to 150% FPG	9.5	8.2	8.4	9.8	8.1	8.4	6.5	9.1	8.6	8.3	7.1	7.4
More than 150% up to 185% FPG	16.0	14.0	14.4	20.3	15.0	15.8	14.3	14.1	14.1	13.6	18.7	17.7
More than 185% up to 200% FPG	8.7	4.0	4.8	1.8	4.7	4.3	4.2	2.8	3.1	2.7	1.2	1.5
More than 200% FPG	24.2	33.3	31.7	22.6	32.2	30.8	20.2	20.1	20.1	34.9	22.0	24.5
Receipt of other benefits	–	–	–	–	–	–	–	–	–	–	–	–
No benefit receipt	18.6	11.4	12.6	20.1	16.3	16.9	26.8	18.6	20.2	21.0	17.7	18.3
Medicaid, SNAP and TANF	5.2	5.7	5.6	5.4	3.0	3.4	1.2	2.6	2.3	0.0	2.9	2.3
SNAP and TANF only	0.0	0.0	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid and SNAP only	36.8	23.9	26.1	26.3	28.1	27.8	28.2	28.8	28.7	30.9	34.6	33.9
Medicaid and TANF only	0.0	1.0	0.9	0.0	0.4	0.3	1.3	0.4	0.6	1.2	0.8	0.9
SNAP only	4.0	4.4	4.3	12.0	6.3	7.1	7.6	6.3	6.6	13.1	6.4	7.7
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	35.5	53.6	50.5	35.6	45.9	44.4	34.9	43.3	41.7	33.8	37.6	36.9

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. These estimates were tabulated from the fully adjusted person weights for the CPS-ASEC data. They were adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; PRCS = Puerto Rico Community Survey; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a

Table B.8 (continued). Regional Estimates of the Average Monthly Numbers of Infants and Children Eligible for WIC by Demographic and Income Characteristics (Fully Adjusted Weights, Percentages): CY 2019

Characteristics	Southwest			Mountain Plains			Western			Total		
	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children
Total	344,791	1,063,502	1,408,292	108,561	558,052	666,613	263,194	1,507,654	1,770,849	1,593,689	7,092,802	8,686,491
Gender	—	—	—	—	—	—	—	—	—	—	—	—
Male	49.4	52.4	51.7	42.2	48.6	47.5	49.3	53.4	52.8	49.6	52.3	51.8
Female	50.6	47.6	48.3	57.8	51.4	52.5	50.7	46.6	47.2	50.4	47.7	48.2
Race	—	—	—	—	—	—	—	—	—	—	—	—
White	70.0	75.9	74.4	71.9	78.2	77.2	74.4	77.3	76.8	67.1	67.8	67.6
Black	22.8	16.9	18.3	17.5	9.7	10.9	9.7	8.6	8.8	22.2	20.6	20.9
Other	7.2	7.3	7.3	10.7	12.1	11.9	15.9	14.1	14.4	10.8	11.6	11.5
Hispanic Ethnicity	—	—	—	—	—	—	—	—	—	—	—	—
Hispanic/Latino	48.5	47.5	47.7	24.2	25.2	25.1	59.4	60.3	60.2	33.1	34.6	34.3
Not Hispanic/Latino	51.5	52.5	52.3	75.8	74.8	74.9	40.6	39.7	39.8	66.9	65.4	65.7
Living arrangement	—	—	—	—	—	—	—	—	—	—	—	—
Two-parent family	65.7	56.0	58.4	71.9	63.6	65.0	70.4	63.3	64.3	65.8	56.3	58.1
Single-parent family	28.5	37.3	35.1	25.3	31.2	30.3	28.4	31.5	31.1	30.4	37.9	36.6
No-parent family	5.8	6.7	6.5	2.8	5.2	4.8	1.2	5.2	4.6	3.7	5.7	5.4
Related nonparent caretaker	2.8	4.8	4.3	1.3	3.2	2.9	0.2	2.3	2.0	1.2	3.8	3.3
Unrelated nonparent caretaker	2.9	1.9	2.1	1.6	1.9	1.9	1.1	2.9	2.6	2.5	1.9	2.0
Military status of household members	—	—	—	—	—	—	—	—	—	—	—	—
Ever served in U.S. military	5.0	7.4	6.8	9.5	8.9	9.0	5.1	4.6	4.7	5.5	6.0	5.9
Serving in U.S. military in 2019 ^a	2.9	1.8	2.1	5.3	0.7	1.4	1.6	1.2	1.3	2.7	1.1	1.4
Number of people in household	—	—	—	—	—	—	—	—	—	—	—	—
2	1.8	5.8	4.8	0.4	5.2	4.4	5.9	3.3	3.7	2.9	5.4	4.9
3	16.1	15.4	15.6	27.5	15.2	17.2	12.2	16.4	15.8	19.8	17.4	17.8
4	25.6	28.0	27.4	18.9	25.9	24.7	29.6	25.6	26.2	27.5	27.2	27.3
5	22.7	20.3	20.9	22.1	20.0	20.3	11.6	21.9	20.4	20.4	21.3	21.1
6 or more	33.7	30.5	31.3	31.1	33.8	33.4	40.7	32.8	34.0	29.4	28.8	28.9

Characteristics	Southwest			Mountain Plains			Western			Total		
	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children	WIC-Eligible Infants	WIC-Eligible Children	WIC-Eligible Infants and Children
Percent with working parent(s)	60.5	74.3	70.9	78.4	81.3	80.8	74.0	72.1	72.4	65.9	73.5	72.1
Annual family income relative to FPG	–	–	–	–	–	–	–	–	–	–	–	–
No income	6.8	5.8	6.1	5.2	3.9	4.1	3.1	4.0	3.8	5.7	4.7	4.8
Up to 50% FPG	10.8	11.3	11.2	3.1	8.3	7.5	11.0	8.8	9.2	11.0	10.2	10.3
More than 50% up to 100% FPG	13.0	12.4	12.5	18.5	17.7	17.8	12.5	13.6	13.5	15.4	17.2	16.9
More than 100% up to 130% FPG	13.9	16.0	15.4	8.5	12.0	11.4	14.4	14.1	14.2	12.6	13.7	13.5
More than 130% up to 150% FPG	5.5	9.6	8.6	12.9	12.7	12.7	9.3	8.5	8.6	8.0	8.9	8.7
More than 150% up to 185% FPG	14.1	19.1	17.9	21.4	16.1	17.0	12.3	16.0	15.5	14.9	16.2	16.0
More than 185% up to 200% FPG	5.3	4.4	4.6	2.0	4.7	4.2	4.9	3.7	3.9	4.4	3.5	3.6
More than 200% FPG	30.5	21.5	23.7	28.4	24.7	25.3	32.5	31.2	31.4	28.0	25.7	26.2
Receipt of other benefits	–	–	–	–	–	–	–	–	–	–	–	–
No benefit receipt	21.0	22.3	21.9	36.4	27.7	29.2	19.8	14.1	15.0	22.8	17.9	18.8
Medicaid, SNAP and TANF	0.3	1.2	1.0	1.4	4.5	4.0	11.9	5.8	6.7	3.3	3.6	3.5
SNAP and TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
Medicaid and SNAP only	35.0	28.5	30.1	12.3	18.1	17.2	16.5	21.1	20.4	27.7	26.7	26.8
Medicaid and TANF only	0.0	0.0	0.0	3.1	1.0	1.3	0.6	0.8	0.8	0.8	0.6	0.6
SNAP only	9.2	7.9	8.2	5.5	6.8	6.6	13.1	6.1	7.1	9.6	6.4	7.0
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	34.5	40.1	38.7	41.3	41.9	41.8	38.2	51.9	49.9	35.7	44.9	43.2

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. These estimates were tabulated from the fully adjusted person weights for the CPS-ASEC data. They were adjusted to account for the undercount/overcount of infants and children in the CPS relative to U.S. Census Bureau estimates, monthly income, or nutritional risk. This table does not include estimates for Puerto Rico or the other U.S. territories.

CPS = Current Population Survey; CPS-ASEC = CPS Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; PRCS = Puerto Rico Community Survey; SNAP = Supplemental Nutrition Assistance Program; TANF = Temporary Assistance for Needy Families

^a The military status of household members who were currently serving in the U.S. military was included on the CPS-ASEC only if they resided in civilian housing on or off a military base.

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Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a

Table B.9. WIC Coverage Rates by State: CY 2005–CY 2019

State	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total	56.5	58.1	60.6	62.4	62.9	61.6	63.5	63.2	59.3	54.8	52.7	58.3	55.4	56.3	57.4
Alabama	50.9	54.7	56.4	59.8	59.3	62.6	62.1	63.2	61.3	53.5	54.1	59.7	57.2	58.2	61.8
Alaska	66.0	64.5	68.6	69.0	61.6	69.1	60.6	60.7	64.1	44.3	49.1	47.5	42.9	56.6	52.5
Arizona	49.2	49.6	53.1	54.0	58.0	56.0	61.3	57.8	54.9	51.1	50.8	53.8	49.4	51.4	55.8
Arkansas	50.4	49.9	50.7	52.5	56.8	57.1	60.0	61.7	56.0	48.0	48.1	52.4	53.2	51.6	49.1
California	69.3	73.2	75.8	75.9	77.7	78.0	82.5	80.1	74.1	71.0	65.0	70.2	65.3	66.6	68.9
Colorado	40.0	42.5	41.5	47.9	50.3	53.8	50.0	48.5	47.2	41.0	40.8	46.8	44.3	49.8	53.4
Connecticut	51.6	52.9	55.7	56.2	59.2	50.7	51.2	52.9	49.5	43.1	47.0	52.3	52.5	49.6	55.0
Delaware	54.4	60.5	56.6	68.9	64.5	59.7	66.0	58.8	58.2	51.7	51.6	55.7	47.4	49.0	49.9
District of Columbia	70.2	65.9	74.0	75.1	79.5	69.3	67.0	63.0	54.9	47.2	50.8	56.3	48.5	44.6	61.4
Florida	47.9	50.2	58.7	61.7	61.8	60.9	61.0	56.9	54.0	51.4	51.2	57.4	55.2	56.9	57.7
Georgia	54.9	54.8	57.7	59.6	59.6	56.5	59.6	59.6	54.9	48.8	48.7	51.3	50.3	48.9	49.2
Hawaii	64.9	61.6	63.7	66.7	60.3	62.5	64.8	59.1	57.3	51.6	56.2	57.2	46.2	56.8	58.4
Idaho	40.7	44.9	46.7	48.5	51.5	48.2	47.5	53.7	48.7	47.6	45.4	47.3	46.4	46.3	45.8
Illinois	50.7	52.8	53.4	54.0	53.4	52.2	52.4	54.5	52.0	48.1	43.5	48.2	45.3	47.0	47.7
Indiana	46.6	49.8	52.4	54.5	55.2	54.8	55.8	55.6	52.9	48.4	48.7	55.4	53.7	58.5	59.0
Iowa	53.5	54.3	58.6	64.2	61.7	61.0	59.1	62.0	52.4	47.2	44.1	50.8	56.2	59.3	58.6
Kansas	51.4	56.6	56.0	61.1	60.6	56.3	56.5	56.8	51.9	46.2	46.7	56.0	45.4	46.2	54.9
Kentucky	59.1	66.3	65.3	64.9	65.2	63.7	67.0	69.8	64.5	53.4	53.5	57.2	54.5	57.4	56.7
Louisiana	51.2	46.6	52.8	53.2	57.8	57.6	61.3	59.0	56.9	50.8	51.2	54.9	50.6	49.0	48.9
Maine	48.5	48.1	55.4	56.7	50.4	54.6	56.0	53.5	49.8	51.3	50.9	57.6	56.3	61.7	53.0
Maryland	59.8	65.9	71.6	73.5	71.2	70.0	72.8	71.8	66.9	63.5	59.8	72.7	69.2	65.3	67.9
Massachusetts	65.5	67.4	71.3	67.1	66.7	63.1	61.0	68.2	57.8	56.8	53.8	59.4	60.2	63.8	62.5
Michigan	57.1	57.3	59.7	57.5	57.3	57.7	61.0	63.3	59.8	56.3	55.3	60.2	59.1	63.1	64.4
Minnesota	69.4	76.3	81.9	80.2	73.1	73.5	69.1	73.7	69.6	63.4	56.7	65.1	64.6	65.5	67.2
Mississippi	53.7	54.0	60.3	62.3	57.2	51.7	56.5	56.0	54.2	52.3	47.2	54.9	59.2	61.1	59.6
Missouri	49.4	49.7	52.7	54.5	54.0	52.2	57.1	57.6	55.2	51.5	46.9	55.0	51.2	52.9	52.5
Montana	51.0	52.5	48.7	49.2	45.1	46.1	41.8	45.7	40.7	39.1	39.3	41.5	39.9	45.0	44.2
Nebraska	51.4	54.2	57.1	57.8	54.3	51.8	54.3	57.0	49.1	51.5	43.1	56.7	53.6	53.6	59.2
Nevada	43.6	50.8	49.5	55.4	56.5	57.4	59.4	57.7	61.2	53.6	51.1	58.9	52.0	52.3	59.0
New Hampshire	44.3	43.6	51.6	53.2	61.6	51.2	53.9	45.2	41.1	42.7	41.3	51.5	41.5	43.3	51.6

State	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
New Jersey	54.3	57.9	57.9	59.9	58.8	60.4	60.3	58.7	56.1	52.4	50.7	57.1	56.3	56.5	58.1
New Mexico	47.0	48.1	50.4	51.1	51.9	49.0	51.3	52.1	47.0	45.7	42.4	47.8	45.3	43.5	43.5
New York	63.3	63.5	64.5	66.2	66.1	63.2	66.0	65.4	61.7	54.7	53.5	60.0	58.5	60.3	59.0
North Carolina	51.1	52.0	53.5	56.8	56.3	55.2	56.2	58.5	55.1	51.1	51.5	57.6	55.8	56.0	56.8
North Dakota	62.7	65.6	62.1	56.5	62.4	53.2	48.4	75.4	47.4	39.7	47.1	54.8	56.8	51.0	60.7
Ohio	55.7	59.4	61.5	65.2	61.9	57.2	58.9	59.4	54.0	50.2	47.7	54.9	51.2	52.2	52.3
Oklahoma	55.5	55.5	55.8	60.0	62.9	59.3	60.6	60.7	52.3	53.1	48.8	59.4	53.4	58.2	58.2
Oregon	62.6	63.2	67.4	65.0	65.8	65.6	63.6	65.0	63.1	53.0	53.5	60.6	57.6	62.4	69.0
Pennsylvania	54.4	54.8	57.0	56.9	58.2	55.8	58.0	55.8	55.2	51.9	49.9	55.5	53.3	54.7	54.7
Puerto Rico	70.5	73.1	76.1	78.0	77.7	78.7	84.6	86.7	85.5	83.1	85.0	85.1	81.1	77.3	81.8
Rhode Island	62.5	63.3	69.3	77.6	64.5	71.1	66.1	69.5	61.3	53.6	55.2	66.6	62.8	56.7	68.4
South Carolina	52.2	52.9	55.7	57.6	56.7	54.8	56.5	58.7	51.9	47.8	49.2	49.3	46.3	46.9	42.7
South Dakota	49.6	65.9	59.9	63.3	51.8	56.5	63.0	60.8	49.3	45.0	48.6	53.2	52.3	58.0	53.4
Tennessee	53.3	51.7	54.3	54.3	55.4	52.2	54.3	56.8	50.3	45.8	43.3	46.5	47.2	45.5	43.6
Texas	57.3	57.1	58.2	61.2	65.9	66.4	66.5	64.3	62.1	58.9	55.4	61.1	56.6	54.4	57.2
Utah	43.9	39.3	43.0	46.2	48.4	45.4	47.2	45.5	43.3	40.2	37.1	42.7	42.1	44.4	43.1
Vermont	64.0	71.3	73.9	82.1	80.1	66.8	84.7	69.4	60.3	64.6	64.5	60.1	57.6	73.4	72.6
Virginia	52.4	58.5	59.3	61.4	59.4	54.5	59.7	59.1	55.4	47.7	45.1	51.3	45.9	46.8	49.4
Washington	56.4	57.9	60.6	65.9	64.4	60.7	64.4	64.4	62.2	56.9	53.5	59.3	54.5	55.2	53.2
West Virginia	57.8	55.9	58.9	66.4	62.9	65.3	66.0	73.6	54.8	51.9	48.7	54.4	54.6	53.2	54.9
Wisconsin	54.2	56.9	61.3	61.4	60.8	54.6	53.2	59.7	55.4	47.2	48.5	52.3	54.4	56.6	57.9
Wyoming	53.6	56.8	54.2	55.4	51.1	52.1	53.5	52.6	52.3	44.1	45.2	58.9	47.6	53.7	53.9

Note: Coverage rate estimates for 2016–2019 differ methodologically from earlier estimates because of changes to the underlying data sources. Comparisons between the 2016–2019 estimates and prior estimates should be interpreted with caution (see chapter 2 in Farson Gray et al., 2021 for more information). The 2016–2018 estimates presented in this report were updated to use improved methods for estimating WIC eligibility among infants (see appendix E for more information).

CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b; unpublished internal WIC administrative data

Table B.10. WIC Coverage Rates by State and Participant Category With Margins of Error for 95-Percent Confidence Intervals: CY 2019

State	Infants		1-Year-Old Children		2-Year-Old Children		3-Year-Old Children		4-Year-Old Children		All Children		Pregnant Women		Postpartum Women		Total	
	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE
Alabama	100.0	21.9	65.6	9.8	51.4	8.6	37.9	5.5	25.3	5.2	44.6	3.2	72.4	13.5	89.9	16.8	61.8	4.5
Alaska	94.5	34.9	76.5	27.1	43.7	14.3	36.9	12.2	19.8	14.4	40.8	10.3	57.9	21.4	77.4	28.7	52.5	11.5
Arizona	95.7	15.1	71.8	10.1	48.6	6.3	43.7	4.7	20.3	5.3	44.9	3.6	41.5	6.5	80.1	12.6	55.8	3.9
Arkansas	95.3	16.4	55.3	9.1	34.9	5.5	30.5	5.6	16.4	3.0	33.6	2.3	52.8	9.1	75.5	13.0	49.1	3.6
California	100.0	8.4	76.3	5.8	62.0	4.4	59.9	4.4	39.2	7.2	58.5	3.4	61.0	4.9	93.4	7.4	68.9	3.2
Colorado	84.2	15.2	66.4	10.1	46.5	7.1	41.8	5.7	21.4	4.3	43.8	3.1	46.0	8.3	76.7	13.9	53.4	3.8
Connecticut	100.0	25.2	58.6	10.8	46.7	11.5	43.3	9.9	19.3	6.4	41.0	4.8	63.8	15.0	70.4	16.5	55.0	5.5
Delaware	98.4	39.0	53.3	20.1	39.1	14.5	35.7	10.1	18.1	7.7	36.5	5.3	51.2	20.3	71.7	28.3	49.9	7.7
District of Columbia	100.0	78.6	75.8	47.5	41.4	19.2	29.9	11.1	14.1	6.5	37.3	6.3	65.4	32.8	100.0	71.0	61.4	9.3
Florida	95.9	9.6	67.9	6.4	49.2	4.7	41.6	3.7	23.4	3.0	45.3	1.9	51.6	5.2	85.7	8.6	57.7	2.4
Georgia	92.0	10.1	51.8	6.7	40.4	4.3	34.6	3.4	15.9	2.1	35.0	1.8	49.8	5.5	75.0	8.2	49.2	2.3
Hawaii	100.0	34.1	78.3	22.8	40.6	10.3	34.5	9.0	16.9	22.5	42.5	13.4	69.4	19.3	96.2	26.7	58.4	14.3
Idaho	75.1	20.4	61.8	15.1	39.9	8.9	38.6	9.6	14.5	3.1	37.0	4.1	39.2	10.6	64.4	17.5	45.8	5.3
Illinois	100.0	14.2	41.9	4.6	37.2	3.9	32.8	3.5	20.4	3.1	32.7	1.7	46.3	6.4	83.6	11.6	47.7	2.5
Indiana	100.0	14.6	71.2	9.1	51.4	6.6	44.7	6.1	21.8	4.0	46.1	3.5	48.1	7.0	93.3	13.5	59.0	3.8
Iowa	96.0	21.5	73.6	16.3	53.0	11.4	43.3	8.6	22.0	4.8	47.4	4.5	46.8	10.5	89.3	20.0	58.6	5.6
Kansas	100.0	21.2	63.0	12.2	42.7	8.8	41.3	8.1	22.6	6.2	42.1	4.5	56.8	12.0	81.3	17.1	54.9	5.1
Kentucky	100.0	16.8	61.2	10.0	46.3	7.0	36.7	5.3	26.6	5.9	42.1	3.4	58.3	9.3	79.5	12.6	56.7	3.9
Louisiana	94.7	12.9	51.0	8.2	38.0	4.9	26.2	3.7	17.6	3.5	32.7	2.2	48.4	6.6	78.5	10.7	48.9	2.9
Maine	94.3	34.5	54.9	20.0	43.7	16.1	48.1	14.8	25.9	8.6	42.8	7.1	48.0	17.6	73.2	26.8	53.0	8.3
Maryland	100.0	18.6	80.2	14.1	63.5	10.2	51.2	7.8	27.2	4.7	54.0	4.1	65.3	11.0	96.4	16.1	67.9	5.1
Massachusetts	89.1	15.5	78.7	13.0	60.8	9.3	52.5	9.3	29.5	7.3	54.9	5.3	51.5	9.0	80.6	14.0	62.5	4.2

State	Infants		1-Year-Old Children		2-Year-Old Children		3-Year-Old Children		4-Year-Old Children		All Children		Pregnant Women		Postpartum Women		Total	
	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE
Michigan	100.0	13.6	74.8	9.0	58.9	6.0	52.9	6.8	26.9	5.4	53.0	3.6	62.8	8.0	75.5	9.6	64.4	4.0
Minnesota	100.0	24.4	78.5	13.9	53.8	8.8	55.4	11.2	36.1	15.3	55.1	7.8	59.8	12.9	95.1	20.3	67.2	7.7
Mississippi	100.0	17.9	60.1	10.8	46.1	7.0	43.2	8.0	28.0	6.1	44.4	3.5	51.4	8.5	87.9	14.6	59.6	4.1
Missouri	97.6	15.1	61.2	7.8	36.8	4.7	32.6	4.5	22.1	3.9	37.5	2.5	53.2	8.3	78.5	12.1	52.5	3.3
Montana	74.7	28.2	49.0	16.6	42.7	11.8	42.5	15.0	17.0	6.2	36.1	5.7	40.7	15.4	56.7	21.3	44.2	7.1
Nebraska	83.5	24.6	79.7	23.1	50.8	13.2	44.8	10.6	39.4	11.7	52.9	6.5	40.0	11.8	74.8	22.0	59.2	7.1
Nevada	99.4	20.8	66.1	13.3	49.6	9.4	48.5	9.4	24.9	6.0	47.0	4.1	44.5	9.3	93.7	19.7	59.0	5.4
New Hampshire	91.9	44.7	55.0	20.0	52.0	19.0	44.1	16.9	21.3	6.8	41.9	7.7	51.8	25.2	75.8	36.9	51.6	10.6
New Jersey	94.7	15.1	64.4	9.5	52.7	7.8	42.8	6.5	29.0	4.8	46.5	3.4	47.0	7.5	89.6	14.3	58.1	3.6
New Mexico	74.4	17.2	53.3	14.6	34.4	6.9	31.2	5.3	17.8	5.1	33.8	3.1	39.6	9.1	64.6	14.9	43.5	3.7
New York	95.3	10.2	73.3	6.7	53.0	4.8	43.4	4.2	26.2	6.1	48.0	3.4	50.6	5.4	83.9	9.0	59.0	3.3
North Carolina	94.3	11.2	62.8	7.4	48.3	5.1	43.8	4.6	24.6	4.9	44.2	2.9	50.9	6.0	83.4	9.8	56.8	3.1
North Dakota	99.2	40.4	53.5	24.3	86.3	30.9	40.4	17.6	33.6	44.1	50.5	17.6	47.7	19.4	84.8	34.5	60.7	17.5
Ohio	†	–	49.4	5.6	36.5	3.7	32.1	3.6	21.1	4.2	34.2	2.3	53.7	7.2	74.7	10.0	52.3	3.1
Oklahoma	100.0	19.0	49.7	8.1	51.3	7.5	46.2	7.1	24.8	9.9	42.5	5.1	69.3	11.7	84.1	14.2	58.2	5.4
Oregon	100.0	21.9	78.2	15.9	73.3	16.0	55.6	8.0	31.0	9.4	59.1	6.0	61.0	12.8	92.8	19.4	69.0	6.0
Pennsylvania	97.5	13.7	64.7	8.9	47.4	5.4	42.3	5.6	20.9	3.3	43.1	2.5	48.0	6.8	76.7	10.8	54.7	2.8
Rhode Island	100.0	48.5	82.4	36.6	60.1	27.2	56.5	20.8	27.1	11.5	54.7	9.9	64.1	26.2	95.3	38.9	68.4	11.2
South Carolina	82.3	12.6	48.1	6.0	32.0	4.1	29.8	4.6	10.0	1.7	29.2	2.1	41.4	6.3	63.7	9.7	42.7	2.9
South Dakota	78.6	28.0	61.9	22.8	39.0	13.0	47.3	16.1	47.1	36.3	48.4	11.4	41.0	14.7	55.7	19.9	53.4	10.5
Tennessee	89.1	12.8	41.5	5.0	30.3	3.7	28.6	3.7	14.7	2.6	28.5	2.0	47.9	6.9	69.7	10.1	43.6	2.5
Texas	100.0	8.1	65.6	5.0	43.2	3.4	40.5	3.0	17.1	1.9	40.7	1.7	49.4	4.0	100.0	8.6	57.2	2.2
Utah	62.9	12.5	56.2	11.6	40.9	8.4	33.8	7.3	20.2	4.8	37.4	3.5	31.2	6.2	55.0	10.9	43.1	4.1
Vermont	100.0	50.9	91.9	40.3	76.7	35.9	89.8	43.5	24.1	10.3	63.6	14.1	65.0	31.4	99.7	48.1	72.6	12.8
Virginia	92.2	14.1	45.2	6.0	46.0	6.4	37.2	5.1	19.8	4.5	36.4	3.1	48.3	7.4	72.2	11.0	49.4	3.6
Washington	75.5	11.1	63.9	9.8	47.5	6.3	45.7	5.7	33.1	9.3	47.1	4.3	44.8	6.6	65.2	9.5	53.2	4.0

State	Infants		1-Year-Old Children		2-Year-Old Children		3-Year-Old Children		4-Year-Old Children		All Children		Pregnant Women		Postpartum Women		Total	
	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE
West Virginia	99.1	25.2	61.2	14.4	39.3	8.0	40.8	9.1	25.7	7.2	41.1	3.9	53.2	13.5	83.2	21.1	54.9	4.8
Wisconsin	100.0	26.1	73.9	15.3	44.5	7.3	49.4	9.1	21.9	5.2	45.8	4.3	50.8	12.7	87.2	21.5	57.9	4.8
Wyoming	84.6	32.0	75.3	33.7	48.0	16.9	40.9	20.5	17.7	8.9	44.2	9.5	45.5	17.3	75.8	28.7	53.9	11.0
Total	98.4	6.2	64.5	3.5	48.1	2.6	43.0	2.3	24.4	1.2	44.4	1.2	52.1	3.3	84.7	5.3	57.1	1.6

Note: The estimated coverage rate exceeded 100 percent for infants in Alabama, California, Connecticut, the District of Columbia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maryland, Michigan, Minnesota, Mississippi, Oklahoma, Oregon, Rhode Island, Texas, Vermont, and Wisconsin; and postpartum women in the District of Columbia and Texas. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates. The MOE is a measure of the estimate's variability. The larger the MOE in relation to the size of the estimate, the less reliable the estimate. This number, when added to and subtracted from the estimate, forms the 95-percent confidence interval. MOEs for the Total row are for the 50 States and the District of Columbia. MOEs for a 95-percent confidence interval can be interpreted to mean there is a 95-percent chance that the true value—that is, the true coverage rate—falls within the estimated bounds determined by the MOE. For example, although the best estimate of New York's coverage rate was 59.0 percent in 2019, the true rate may have been higher or lower. The chances are 95 in 100 that the true coverage rate was within 3.3 percentage points higher or 3.3 percentage points lower than 59.0 percent, or between 55.7 percent and 62.3 percent.

CY = calendar year; MOE = margin of error

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent

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Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Table B.11. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity With Margins of Error for 95-Percent Confidence Intervals: CY 2019

State	Hispanic/Latino		White-Only, Not Hispanic		Other Than White-Only, Not Hispanic ^a		Total	
	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE
Alabama	93.8*	22.7	51.2*	5.4	66.3	7.8	61.8*	4.5
Alaska	46.4	24.7	36.4	10.1	67.8	24.4	52.5	11.5
Arizona	56.4*	4.2	47.8	5.5	65.1	17.4	55.8	4.0
Arkansas	58.2*	8.6	46.6	4.8	49.6*	6.7	49.1*	3.6
California	76.6*	3.6	36.8*	2.8	69.5	15.5	68.9*	3.2
Colorado	59.7*	6.2	44.7	5.5	57.2	13.5	53.4*	3.8
Connecticut	67.7	8.4	33.3*	5.9	61.5	17.4	55.0	5.5
Delaware	57.7	14.8	36.2	11.7	57.3	12.1	49.9*	7.7
District of Columbia	78.0	32.1	44.7	67.1	57.7	10.0	61.4	9.3
Florida	63.9	4.1	41.6*	3.0	66.9*	6.0	57.7	2.4
Georgia	52.5*	5.1	45.6	4.0	50.2*	4.6	49.2*	2.4
Hawaii	52.4*	12.1	39.7	11.6	65.0	24.8	58.4	14.3
Idaho	58.1	12.1	39.5*	5.9	66.7	34.6	45.8*	5.3
Illinois	54.3*	4.5	39.2*	3.4	50.3*	5.5	47.7*	2.5
Indiana	73.5	10.3	51.8*	4.3	69.5	11.4	59.0	3.9
Iowa	68.7	13.5	49.9	6.2	82.6*	16.2	58.6	5.6
Kansas	63.1	9.5	46.7	5.1	66.2	22.1	54.9	5.1
Kentucky	57.9	11.1	56.7*	4.5	56.3	12.9	56.7	3.9
Louisiana	50.1*	8.9	43.6	4.4	52.4*	5.0	48.9*	2.9
Maine	48.6	53.7	49.5	8.4	78.0	31.8	53.0	8.3
Maryland	84.0*	10.5	49.6	6.8	67.6	8.2	67.9*	5.1
Massachusetts	72.7*	6.5	50.3	5.8	64.3	11.4	62.5*	4.2
Michigan	75.4	10.2	57.0*	5.0	72.7*	8.9	64.4*	4.1
Minnesota	70.7	13.2	50.9*	5.7	89.3*	22.8	67.2*	7.7
Mississippi	82.8	29.3	49.4	5.7	64.6	6.5	59.6	4.1

State	Hispanic/Latino		White-Only, Not Hispanic		Other Than White-Only, Not Hispanic ^a		Total	
	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE
Missouri	55.7	12.4	48.8	3.8	61.0	9.4	52.5*	3.3
Montana	76.0	57.4	37.6*	6.5	59.9	24.3	44.2*	7.1
Nebraska	71.0	19.3	51.1	8.1	59.5	18.2	59.2	7.1
Nevada	55.4*	6.4	59.4*	12.0	66.9	13.3	59.0	5.4
New Hampshire	57.8	34.5	46.2	8.9	100.0	75.4	51.6	10.6
New Jersey	70.0	6.8	40.9*	4.9	56.8	8.5	58.1	3.6
New Mexico	47.7*	4.8	27.4*	6.2	45.8*	13.3	43.5*	3.7
New York	64.6	3.9	45.0	3.4	68.6	10.1	59.0	3.3
North Carolina	60.6*	5.4	53.2*	4.6	58.0	6.7	56.8	3.1
North Dakota	60.3	38.7	49.3	14.8	76.7	48.6	60.7	17.5
Ohio	60.5	9.2	46.5	3.5	60.5	7.9	52.3*	3.1
Oklahoma	65.1	6.6	46.6	4.5	70.8	17.1	58.2	5.4
Oregon	80.9*	11.3	63.8*	7.2	64.8	24.4	69.0*	6.1
Pennsylvania	61.1*	5.4	47.7	4.3	62.3	7.2	54.7	2.8
Rhode Island	88.9	25.6	47.7	11.9	66.6	17.3	68.4*	11.2
South Carolina	43.2*	6.4	34.9*	3.6	50.1*	5.6	42.7*	2.9
South Dakota	58.5	57.2	35.3*	7.8	83.1	30.2	53.4	10.5
Tennessee	44.9*	6.7	46.2	3.8	39.0*	4.4	43.6*	2.5
Texas	66.0	3.2	35.2*	2.7	52.0*	6.0	57.2	2.2
Utah	58.7	10.5	34.3*	4.5	53.6	15.8	43.1*	4.1
Vermont	†	–	69.4*	13.3	76.3	42.1	72.6*	12.8
Virginia	63.1	8.3	39.9*	4.4	51.5*	6.8	49.4*	3.6
Washington	68.3	6.3	39.3*	3.9	64.1	18.3	53.2*	4.0

State	Hispanic/Latino		White-Only, Not Hispanic		Other Than White-Only, Not Hispanic ^a		Total	
	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE
West Virginia	85.1	50.7	53.1*	5.6	65.3	23.6	54.9	4.8
Wisconsin	83.9*	17.6	42.6	4.5	72.6	14.2	57.9	4.8
Wyoming	67.5	41.4	46.3	10.1	100.0	54.0	53.9	11.0
Total	66.8	2.8	45.5	2.3	61.0	3.8	57.1	1.6

Note: The estimated coverage rate exceeded 100 percent for individuals who were in the category Other than White-Only, Not Hispanic in New Hampshire and Wyoming. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates. Coverage rate estimates for Puerto Rico and the other U.S. territories are included in the totals but are not shown separately. The MOE is a measure of the estimate's variability. The larger the MOE in relation to the size of the estimate, the less reliable the estimate. This number, when added to and subtracted from the estimate, forms the 95-percent confidence interval. MOEs for the Total row are for the 50 States and the District of Columbia. MOEs for a 95-percent confidence interval can be interpreted to mean there is a 95-percent chance that the true value—that is, the true coverage rate—falls within the estimated bounds determined by the MOE. For example, although the best estimate generated for this study was that New York's coverage rate for Hispanic/Latino was 64.6 percent in 2019, the true rate may have been higher or lower. The chances are 95 in 100 that the true coverage rate was within 3.9 percentage points higher or lower than 64.6 percent, or between 60.7 percent and 68.5 percent.

CY = calendar year; MOE = margin of error

* indicates a statistically significant difference at the 95-percent confidence level between the coverage rate for a participant category's race/ethnicity and the national coverage rate for that category

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent or an unreliable coverage rate with the lower bound of a 95-percent confidence interval below 0 percent and the upper bound above 100 percent

— denotes blank cells

^a This category includes non-Hispanic individuals who self-identify as two or more races or self-identify as a race other than White. These categories were combined because of sample size concerns.

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Appendix C. Regional- and State-Level Maps of WIC Coverage Rates: CY 2019

This appendix provides maps of WIC coverage rates at the regional and State levels. Coverage rates are the percentages of women, infants, and children eligible for WIC who receive WIC benefits. This appendix includes maps that show coverage rates for all eligible individuals and for each of the four participant categories—infants, children, pregnant women, and postpartum women. This appendix also includes maps that show State-level coverage rates for three race and ethnicity categories: Hispanic/Latino; White-Only, Not Hispanic; and Other Than White-Only, Not Hispanic. A list of the maps by number and participant or race and Hispanic/Latino ethnicity category follows:

FNS Regional-Level Coverage Rates

- ▶ C.1. Total
- ▶ C.2. Infants
- ▶ C.3. Children
- ▶ C.4. Pregnant women
- ▶ C.5. Postpartum women

Estimates for Puerto Rico and other U.S. territories are included in the national totals but are not shown separately because of small sample sizes. Estimates for Puerto Rico are displayed in figure C.1 only.

State-Level Coverage Rates by Participant Category

- ▶ C.6. Total
- ▶ C.7. Infants
- ▶ C.8. Children
- ▶ C.9. Pregnant women
- ▶ C.10. Postpartum women

Estimates for Puerto Rico and other U.S. territories are included in the national totals but are not shown separately because of small sample sizes.

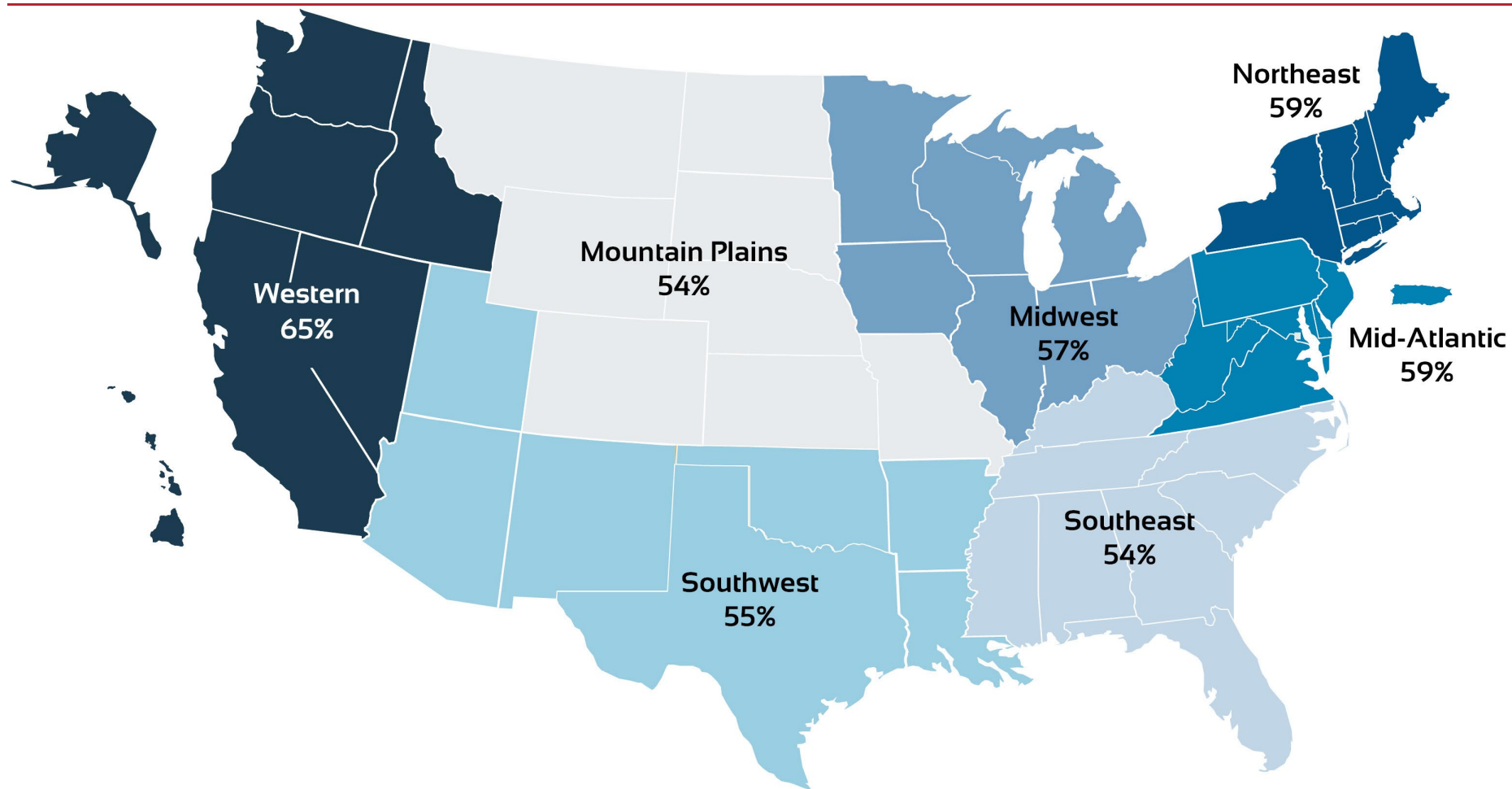
State-Level Coverage Rates by Race and Hispanic Ethnicity

- ▶ C.10. Hispanic/Latino
- ▶ C.11. White-only, not Hispanic
- ▶ C.12. Other than White-only, not Hispanic

Estimates for U.S. territories other than Puerto Rico are not included in national totals because the International Data Base data did not include information on race and Hispanic ethnicity. Estimates for Puerto Rico are included in the national totals but are not shown separately because of small sample sizes.

Figure C.1. WIC Coverage Rate for Total Eligible Individuals by FNS Region: CY 2019

National Coverage Rate for All Eligible Individuals: 57.4 Percent



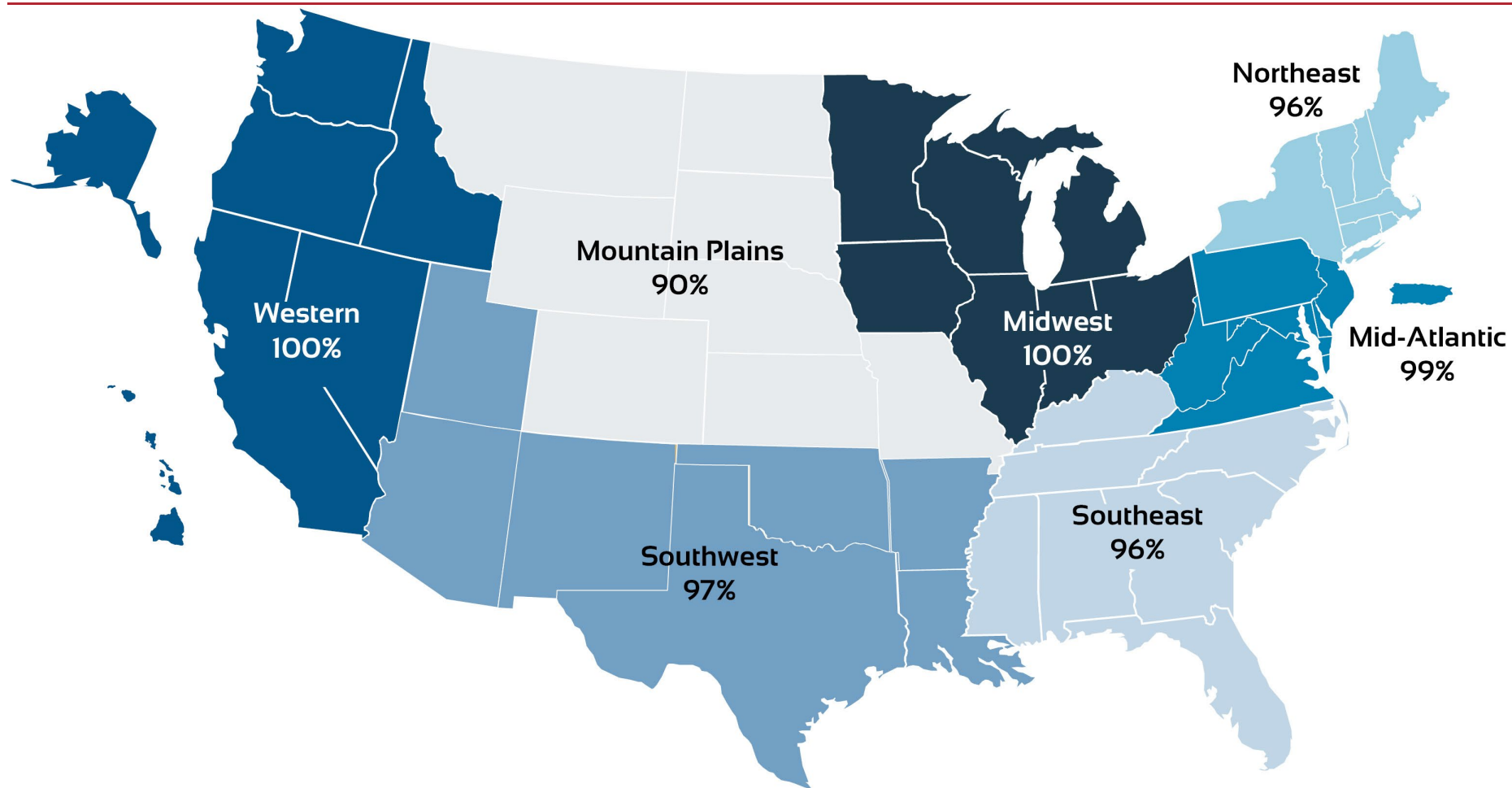
Note: On October 1, 2019, the FNS Regions were realigned. The regions presented in this figure reflect the realigned FNS Regions.

CY = calendar year; FNS = Food and Nutrition Service

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.2. WIC Coverage Rate for Infants by FNS Region: CY 2019

National Coverage Rate for Infants: 98.4 Percent



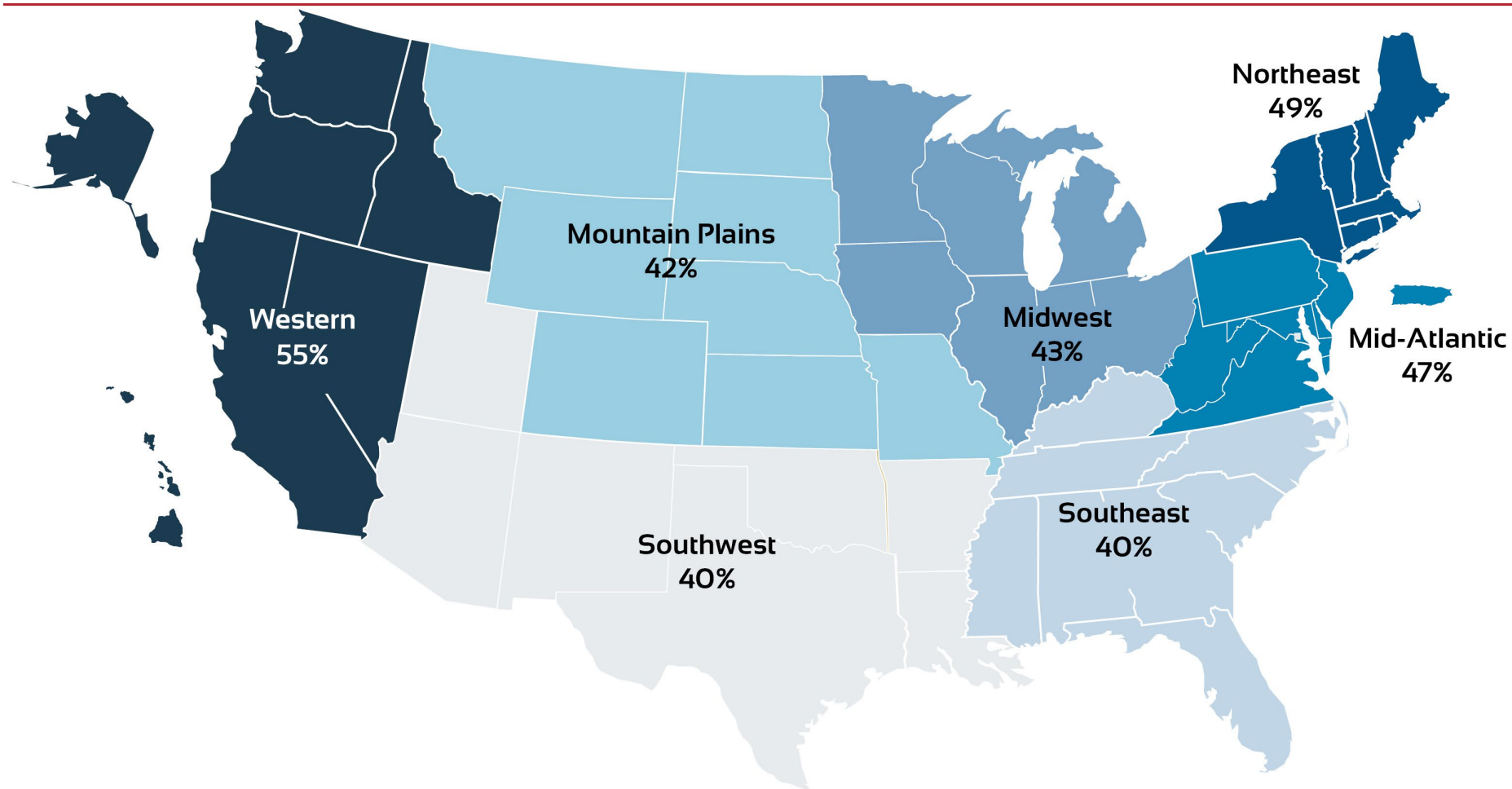
Note: On October 1, 2019, the FNS Regions were realigned. The regions presented in this figure reflect the realigned FNS Regions. The estimated coverage rate exceeded 100 percent for infants in the Midwest Region in 2019. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates.

CY = calendar year; FNS = Food and Nutrition Service

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.3. WIC Coverage Rate for Children by FNS Region: CY 2019

National Coverage Rate for Children: 44.8 Percent



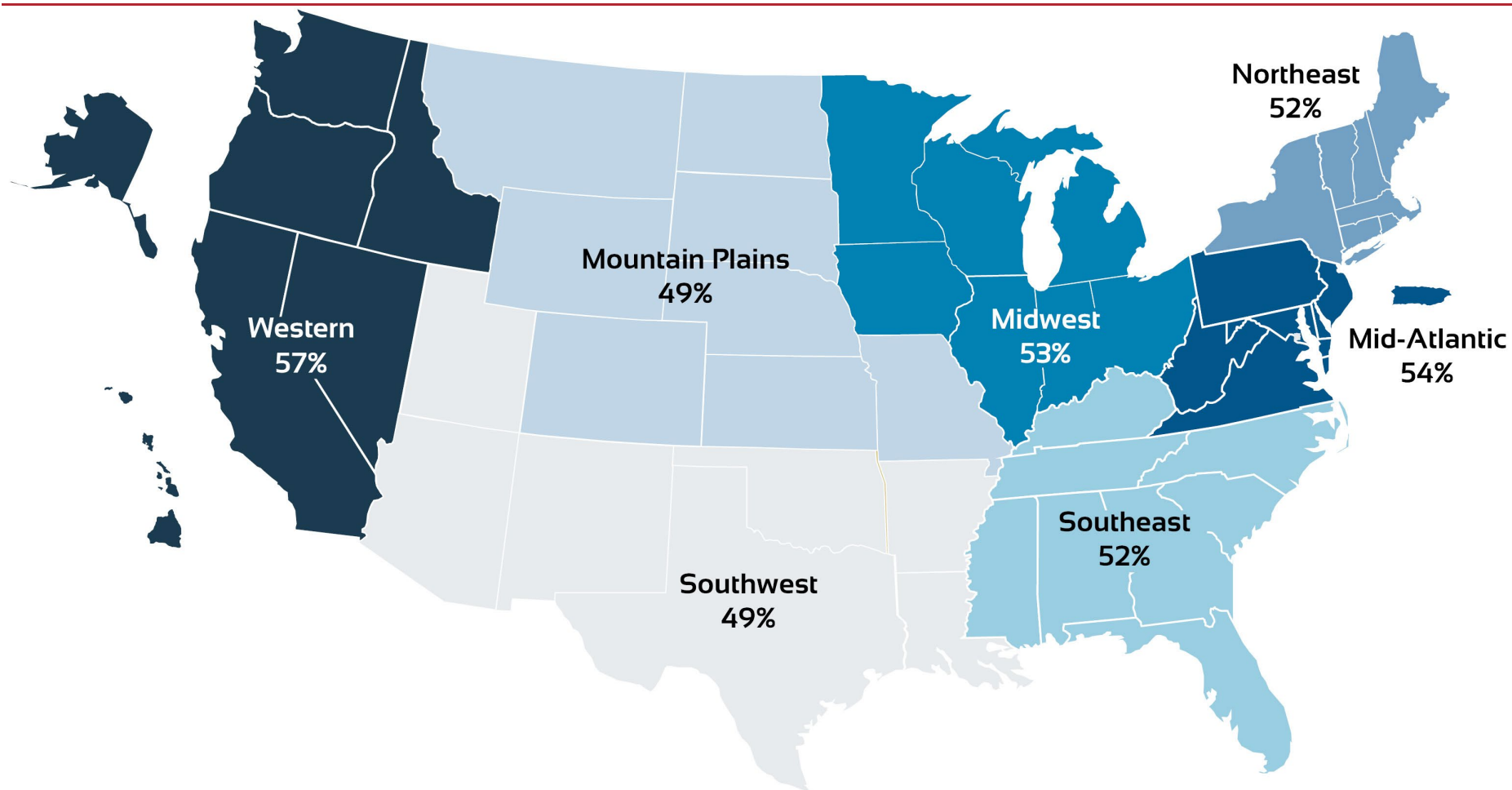
Note: On October 1, 2019, the FNS Regions were realigned. The regions presented in this figure reflect the realigned FNS Regions.

CY = calendar year; FNS = Food and Nutrition Service

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.4. WIC Coverage Rate for Pregnant Women by FNS Region: CY 2019

National Coverage Rate for Pregnant Women: 52.3 Percent



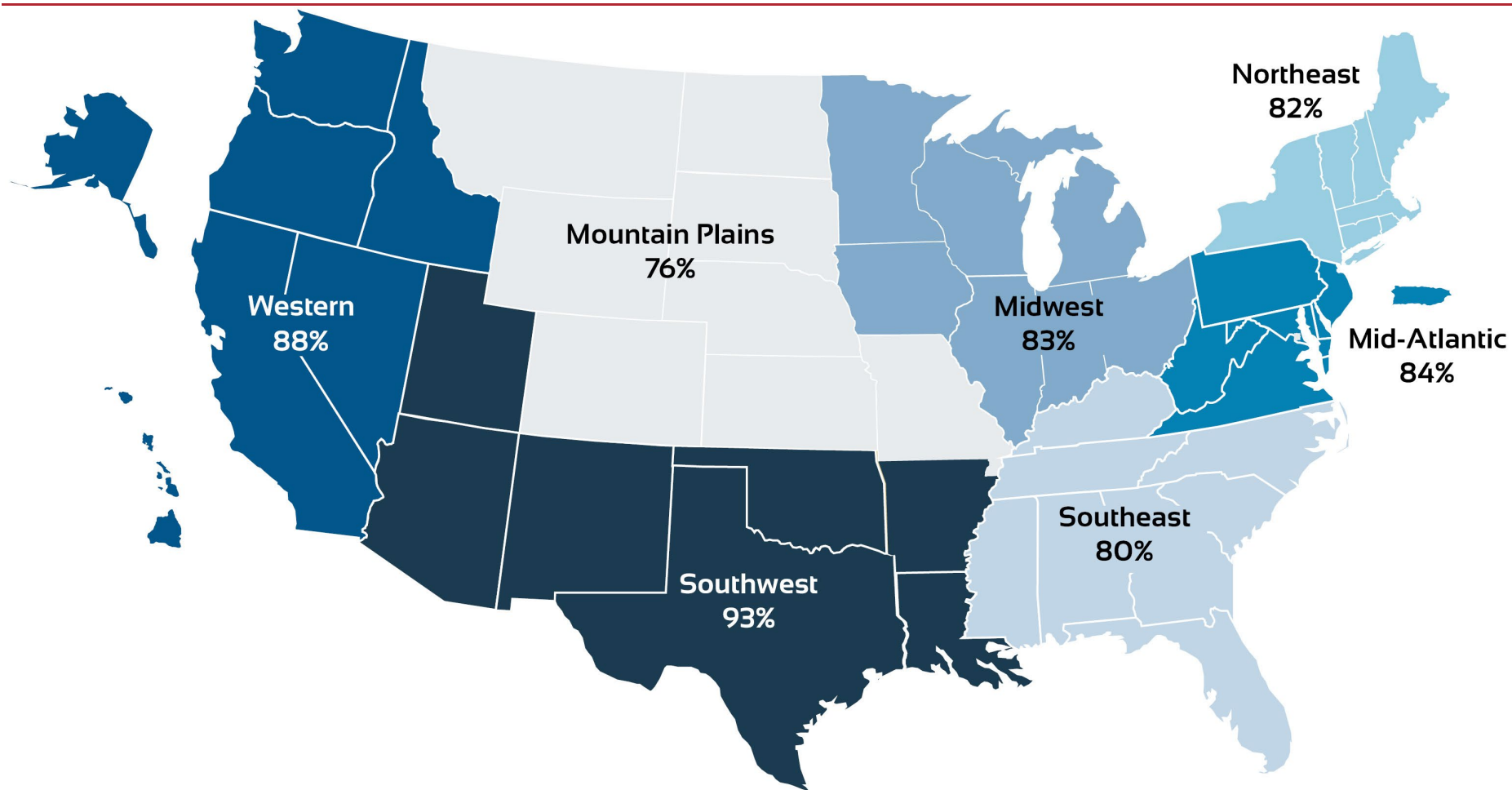
Note: On October 1, 2019, the FNS Regions were realigned. The regions presented in this figure reflect the realigned FNS Regions.

CY = calendar year; FNS = Food and Nutrition Service

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.5. WIC Coverage Rate for Postpartum Women by FNS Region: CY 2019

National Coverage Rate for Postpartum Women: 84.7 Percent



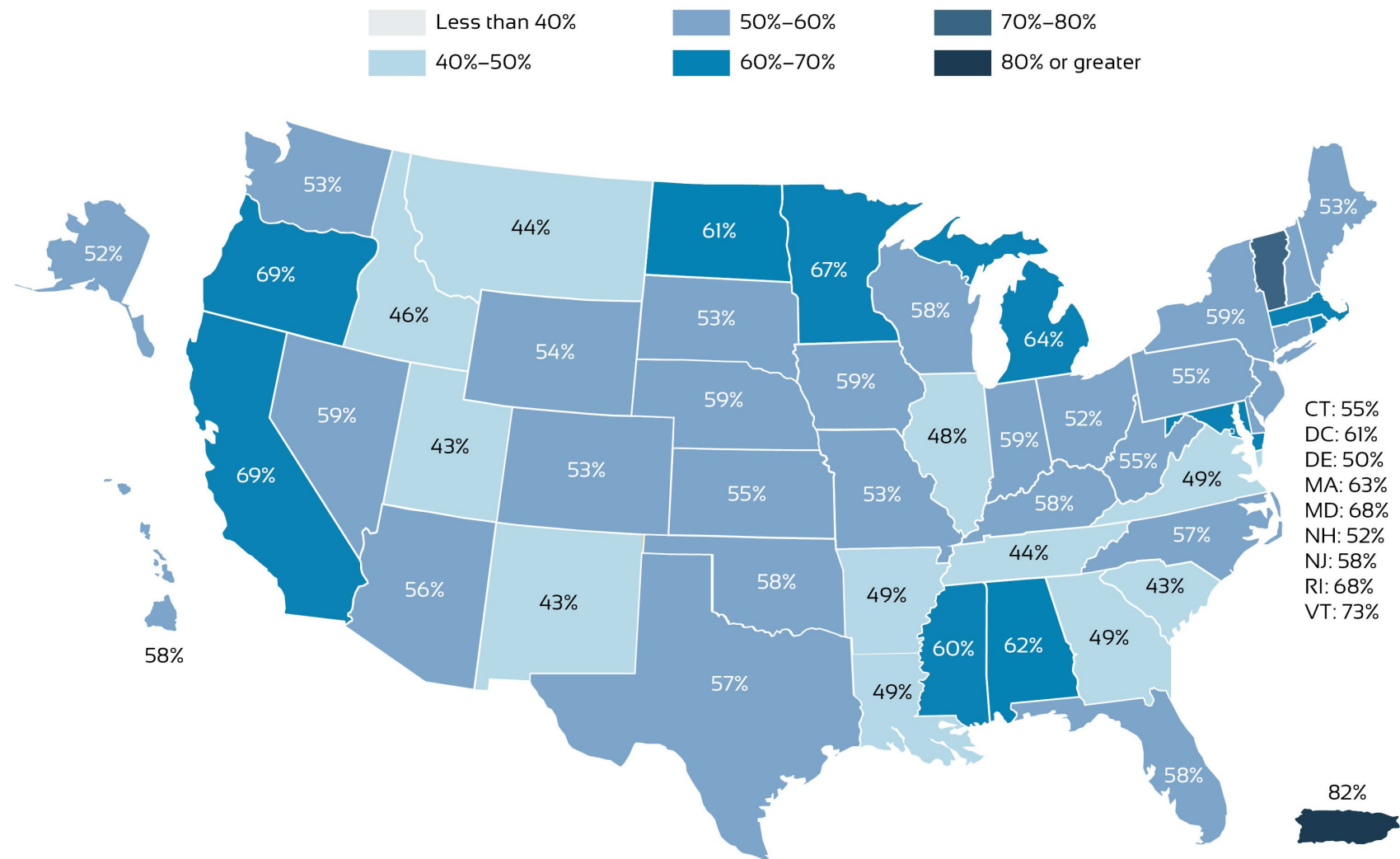
Note: On October 1, 2019, the FNS Regions were realigned. The regions presented in this figure reflect the realigned FNS Regions.

CY = calendar year; FNS = Food and Nutrition Service

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.6. WIC Coverage Rate for Total Eligible Individuals by State: CY 2019

National Coverage Rate for All Eligible Individuals: 57.4 Percent

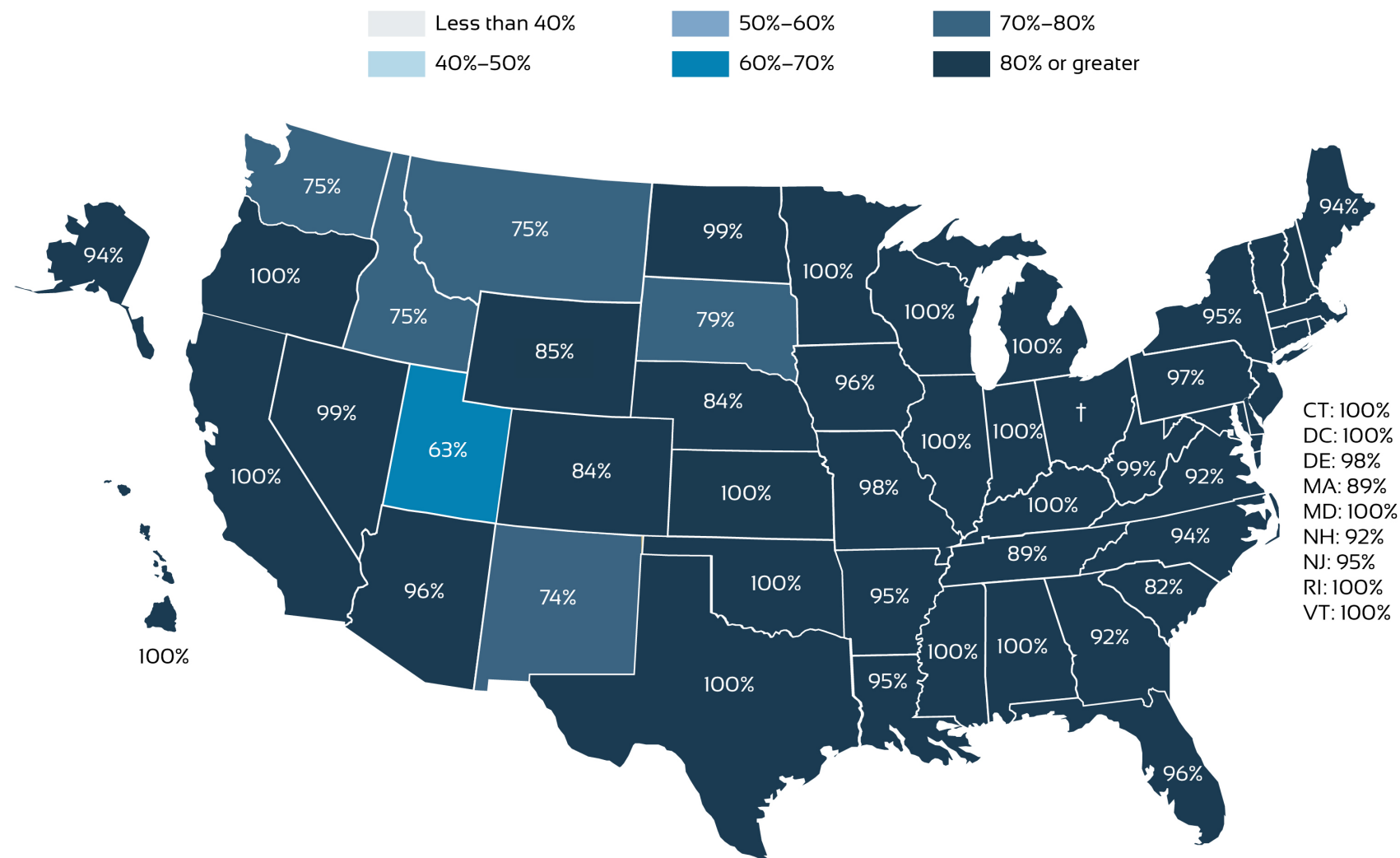


CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.7. WIC Coverage Rate for Infants by State: CY 2019

National Coverage Rate for Infants: 98.4 Percent



Note: The estimated coverage rate exceeded 100 percent for infants in Alabama, California, Connecticut, District of Columbia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maryland, Michigan, Minnesota, Mississippi, Oklahoma, Oregon, Rhode Island, Texas, Vermont, and Wisconsin in 2019. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates.

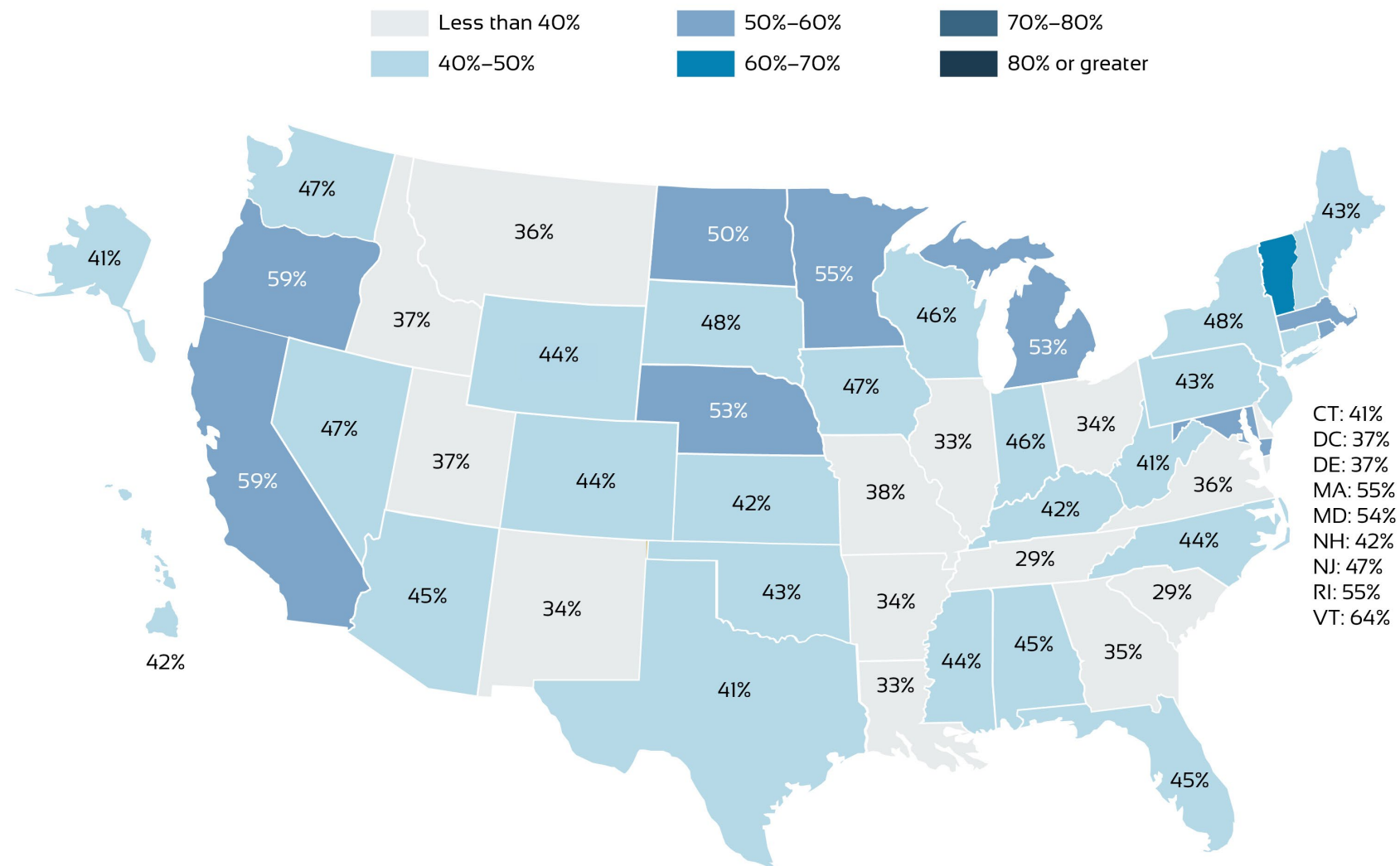
CY = calendar year

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.8. WIC Coverage Rate for Children by State: CY 2019

National Coverage Rate for Children: 44.8 Percent

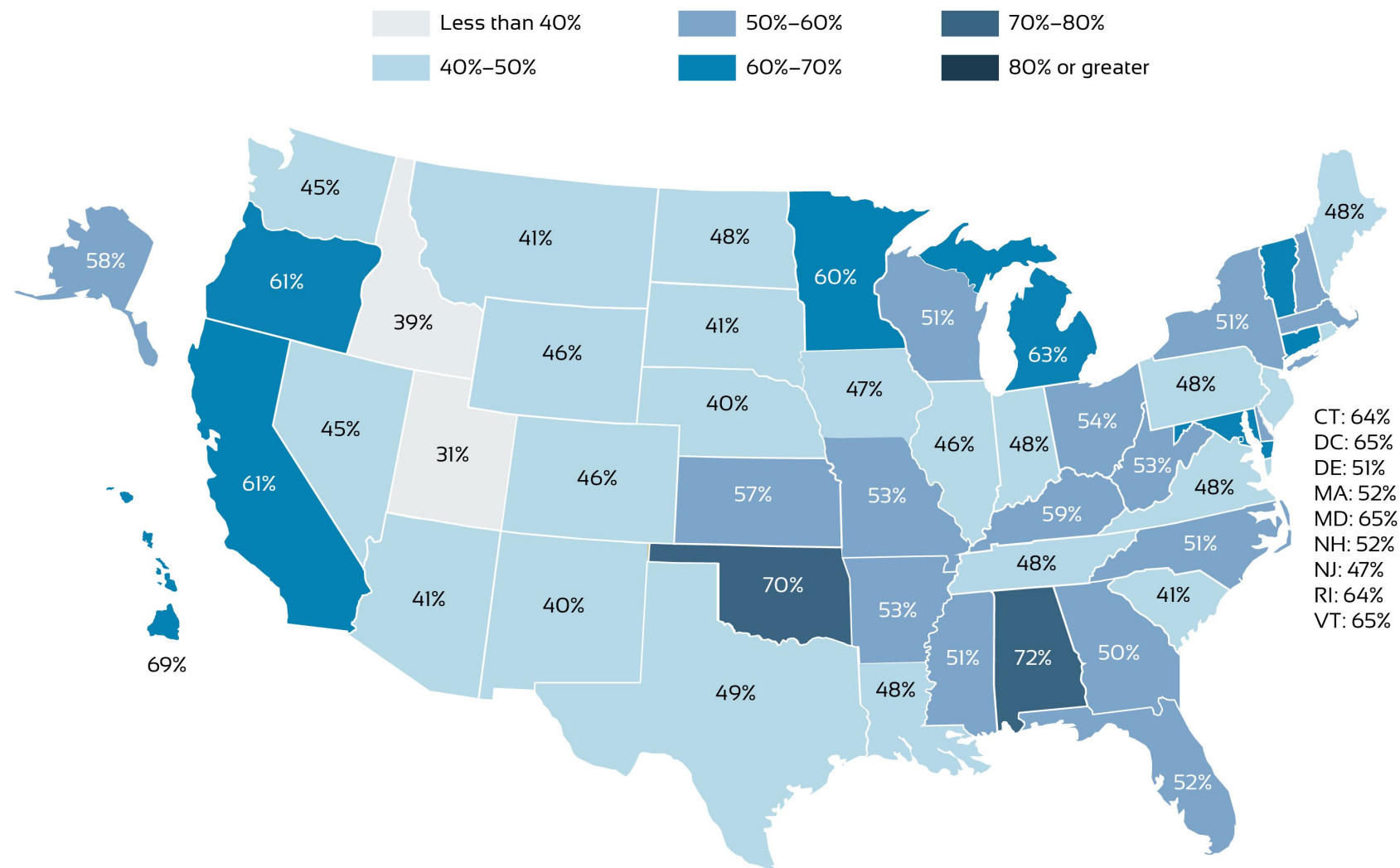


CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.9. WIC Coverage Rate for Pregnant Women by State: CY 2019

National Coverage Rate for Pregnant Women: 52.3 Percent

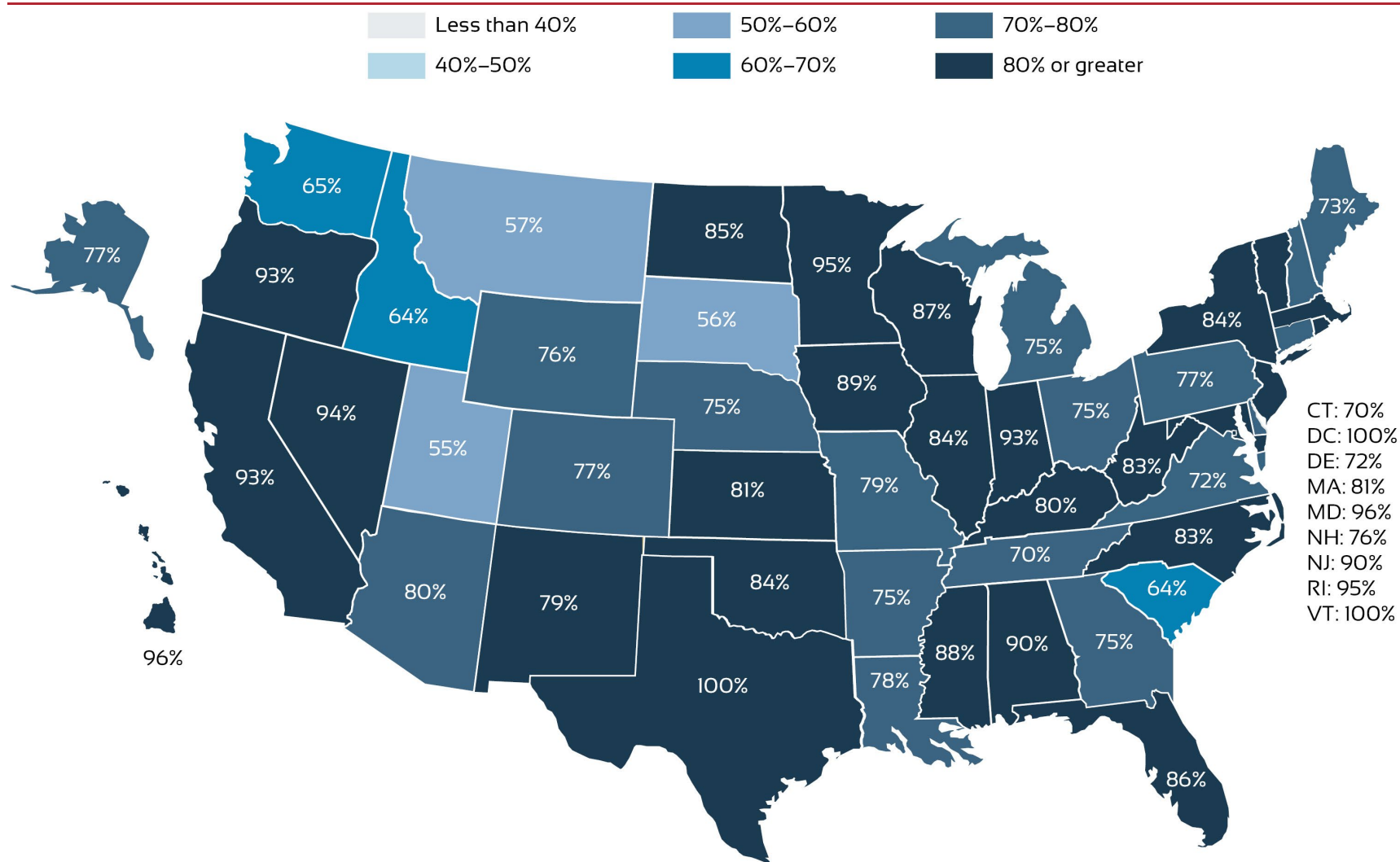


CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.10. WIC Coverage Rate for Postpartum Women by State: CY 2019

National Coverage Rate for Postpartum Women: 84.7 Percent



Note: The estimated coverage rate exceeded 100 percent for postpartum women in the District of Columbia and Texas in 2019. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates.

CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

National Coverage Rate for Hispanic/Latino Individuals: 67.3 Percent

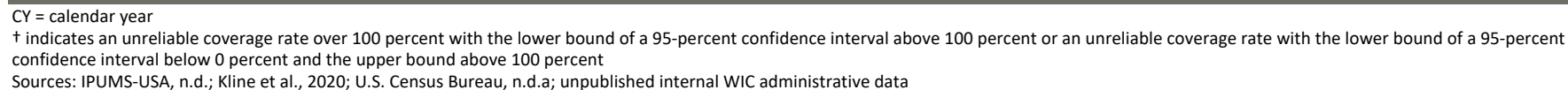
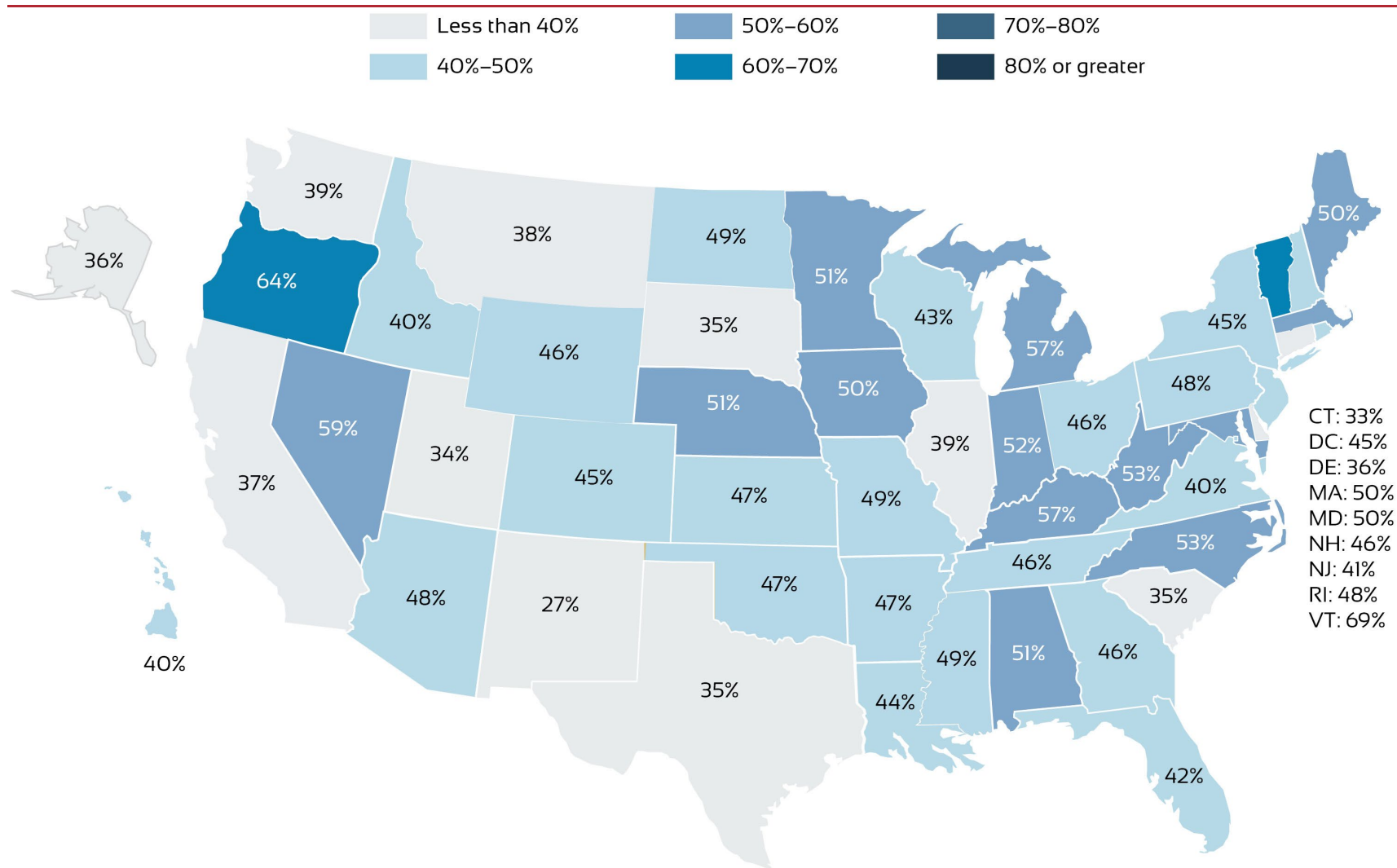


Figure C.12. WIC Coverage Rate for White-Only, Non-Hispanic Individuals by State: CY 2019

National Coverage Rate for White-Only, Non-Hispanic Individuals: 45.5 Percent

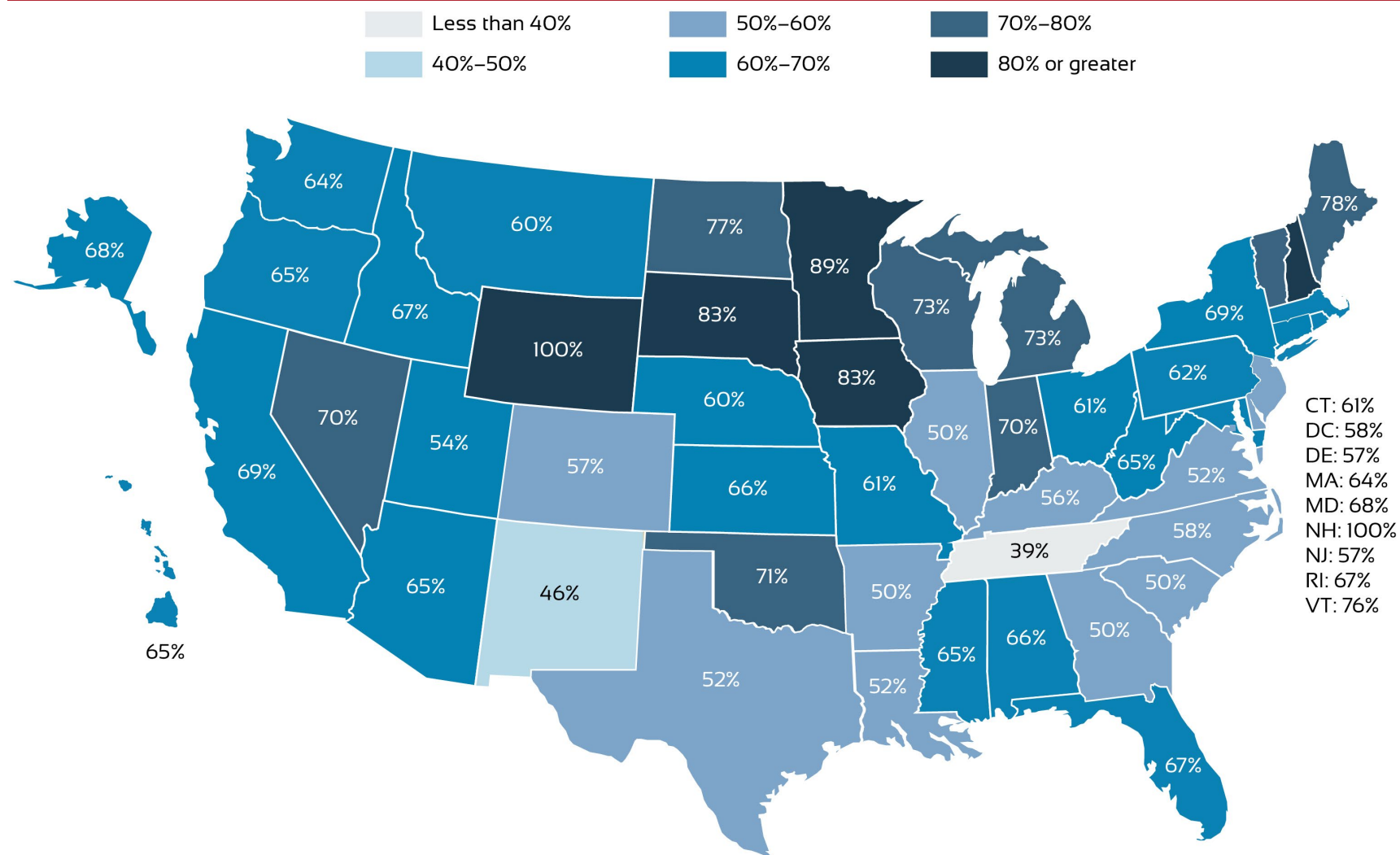


CY = calendar year

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Figure C.13. WIC Coverage Rate for Other Than White-Only, Non-Hispanic Individuals by State: CY 2019

National Coverage Rate Other Than White-Only, Non-Hispanic Individuals: 61.0 Percent



Note: The Black-Only, Not Hispanic and Two or More Races or Other Race, Not Hispanic categories were combined because of sample size concerns. This category includes Black-only, non-Hispanic individuals and non-Hispanic individuals who self-identify as two or more races or self-identify as a race other than Black or White. The estimated coverage rate exceeded 100 percent for individuals in New Hampshire and Wyoming in 2019. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates.

CY = calendar year

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Appendix D. Method for Calculating the Annual-to-Monthly Adjustment Factors Applied to Children: CY 2019

The Healthy, Hunger-Free Kids Act of 2010 (Pub. L. 111–296) gave States the option of adopting a 12-month certification period for children eligible for WIC rather than recertifying children every 6 months. Whether and when a State has adopted this option affects WIC eligibility for children. This consideration was accounted for in the 2019 estimates presented in this report and in the estimates for prior years when the policy was in effect.

Procedures for the CY 2019 Estimates

To incorporate the impact of 12-month certification on children’s WIC eligibility, State-specific annual-to-monthly factors were created—which varied by whether and when the State had adopted the 12-month certification option—and then a type of weighted average was created across the State-level estimates. Separate factors were created for race and ethnicity, both for each State and for the 50 States and the District of Columbia: one for White-only, non-Hispanic children and one for children who were either non-White or Hispanic/Latino.

For States with a 6-month certification length, annual-to-monthly adjustment factors were 1.0682 for White-only, non-Hispanic children and 1.0159 for children who were either non-White or Hispanic/Latino. In contrast, for States with a 12-month certification, the annual-to-monthly factors were 1.1200 for White-only, non-Hispanic children and 1.0338 for children who were either non-White or Hispanic/Latino. However, depending on when a State adopted the longer certification period, a prorated adjustment factor was calculated. The State-specific factors used for the 2019 estimates are shown in table D.2.

Implementation of the 12-month certification option affected eligibility in a nonretroactive manner. When a State adopts the longer certification period, the certification period shifts from 6 months to 12 months only for those children who first became eligible after the extension’s adoption. Twelve-month certification affected WIC eligibility in a calendar year only if it was adopted before July of that year. If the policy was adopted after that date, any child covered by the new policy would have been certified eligible for the remainder of the year regardless of whether 6-month or 12-month certification was in place at the time he/she became eligible.

The fact that the new policy is not applied retroactively also means that even if the policy was adopted before July of the estimate year, not all months of the year may have been affected by the longer certification period. Eligibility in all months of the year would have been affected only if the policy was adopted by February of the prior year. Although adoption of the policy as late as July of the prior year would increase eligibility in each month of the following year (versus what eligibility would be if certification was only for 6 months), the increase would not be as great as if 12-month certification had been in place in February of the prior year.

Therefore, if a State adopted 12-month certification in February of the prior year or earlier, adjustment factors assuming 12-month certification length for all States were used (1.1200 for White-only, non-Hispanic children; 1.0338 for all other children). If a State did not adopt 12-month certification before July of the estimate year, adjustment factors assuming 6-month certification length for all States were used (1.0682 for White-only, non-Hispanic children, 1.0159 for all other children). Any State that adopted 12-month certification between March 2018 and June 2019 used adjustment factors that varied linearly between the 12- and 6-month bounds as described in table D.1.

Table D.1. Annual-to-Monthly Adjustment Factors Based on Month of Adoption of 12-Month Certification

Implementation Month		White-Only, Non-Hispanic Children	All Other Children
2018	February or earlier	1.1200	1.0338
	March	1.1169	1.0328
	April	1.1139	1.0317
	May	1.1108	1.0307
	June	1.1078	1.0296
	July	1.1047	1.0285
	August	1.1017	1.0275
	September	1.0987	1.0264
	October	1.0956	1.0254
	November	1.0926	1.0243
	December	1.0895	1.0233
2019	January	1.0865	1.0222
	February	1.0834	1.0212
	March	1.0804	1.0201
	April	1.0773	1.0191
	May	1.0743	1.0180
	June	1.0713	1.0169
	July or later	1.0682	1.0159

A summary of the assignment of various adjustment factors by State, as shown in table D.2, follows:

1. Forty-three States (and the District of Columbia) had adopted the 12-month certification policy early enough (i.e., in February 2018 or earlier) to affect eligibility for all months of 2019. For these States, the factors used for 2019 were the national 12-month factors (1.1200 for White-only, non-Hispanic children; 1.0338 for all other children).
2. Four States had not adopted the 12-month certification policy by the end of 2019. For these States, the factors used for 2019 were the national 6-month factors (1.0682 for White-only, non-Hispanic children; 1.0159 for all other children).
3. One State that adopted the policy in 2019 had not implemented it early enough (i.e., in July 2019 or later) to affect eligibility in 2019. For this State, the national 6-month factors were also used (1.0682 for White-only, non-Hispanic children; 1.0159 for all other children).
4. The remaining two States adopted the policy early enough (i.e., between March 2018 and June 2019) to affect eligibility in only some months of 2019. For these States, adjustment factors between 1.0682 and 1.1200 for White-only, non-Hispanic children and between 1.0159 and 1.0338 for all other children were used based on the implementation month.

Table D.2. State-Level Annual-to-Monthly Adjustment Factors Used for the CY 2019 Estimates of Children Eligible for WIC

State	Implementation Date (as of December 15, 2020)	Annual-to-Monthly Factors Used for 2019 Estimates	
		White-Only, Non-Hispanic Children	All Other Children
Alabama	October 1, 2017	1.1200	1.0338
Alaska	January 19, 2014	1.1200	1.0338
Arizona	December 14, 2014	1.1200	1.0338
Arkansas	N/A	1.0682	1.0159
California	March 1, 2012	1.1200	1.0338
Colorado	September 1, 2013	1.1200	1.0338
Connecticut	October 1, 2012	1.1200	1.0338
Delaware	January 14, 2013	1.1200	1.0338
District of Columbia	March 1, 2014	1.1200	1.0338
Florida	October 1, 2011	1.1200	1.0338
Georgia	October 1, 2012	1.1200	1.0338
Hawaii	May 26, 2017	1.1200	1.0338
Idaho	January 5, 2015	1.1200	1.0338
Illinois	July 1, 2012	1.1200	1.0338
Indiana	January 20, 2014	1.1200	1.0338
Iowa	July 1, 2012	1.1200	1.0338
Kansas	June 1, 2014	1.1200	1.0338
Kentucky	October 1, 2019	1.0682	1.0159
Louisiana	January 14, 2019	1.0865	1.0222
Maine	January 1, 2012	1.1200	1.0338
Maryland	October 1, 2012	1.1200	1.0338
Massachusetts	January 1, 2012	1.1200	1.0338
Michigan	April 1, 2013	1.1200	1.0338
Minnesota	November 1, 2012	1.1200	1.0338
Mississippi	March 1, 2014	1.1200	1.0338
Missouri	December 1, 2013	1.1200	1.0338
Montana	October 1, 2011	1.1200	1.0338
Nebraska	September 1, 2020	1.0682	1.0159
Nevada	July 1, 2012	1.1200	1.0338
New Hampshire	July 1, 2014	1.1200	1.0338
New Jersey	September 1, 2018	1.0987	1.0264
New Mexico	October 1, 2012	1.1200	1.0338
New York	January 1, 2012	1.1200	1.0338
North Carolina	October 1, 2011	1.1200	1.0338
North Dakota	January 1, 2011	1.1200	1.0338
Ohio	May 31, 2020	1.0682	1.0159
Oklahoma	October 1, 2012	1.1200	1.0338
Oregon	October 1, 2016	1.1200	1.0338
Pennsylvania	September 1, 2013	1.1200	1.0338
Rhode Island	January 1, 2015	1.1200	1.0338

State	Implementation Date (as of December 15, 2020)	Annual-to-Monthly Factors Used for 2019 Estimates	
		White-Only, Non-Hispanic Children	All Other Children
South Carolina	October 1, 2015	1.1200	1.0338
South Dakota	April 1, 2011	1.1200	1.0338
Tennessee	October 1, 2013	1.1200	1.0338
Texas	March 1, 2012	1.1200	1.0338
Utah	October 1, 2013	1.1200	1.0338
Vermont	October 1, 2015	1.1200	1.0338
Virginia	January 1, 2013	1.1200	1.0338
Washington	November 1, 2011	1.1200	1.0338
West Virginia	April 1, 2020	1.0682	1.0159
Wisconsin	October 1, 2013	1.1200	1.0338
Wyoming	March 1, 2016	1.1200	1.0338

Note: Implementation dates were provided by FNS as of December 15, 2020. If no date is listed, the State does not plan to adopt 12-month certification.
N/A = not applicable

After calculating appropriate factors for each State, it was also necessary to estimate a national-level factor. As described in volume I of this report, the State-level eligibility estimates were not calculated directly from the CPS-ASEC data. Instead, the national estimates were calculated using CPS-ASEC data that was apportioned to States based on State shares calculated using ACS data. Whereas the State-specific factors described earlier in this section were applied to each State when processing the ACS data, a national-level factor was required when processing the CPS-ASEC data. To do this, a weighted average of the State-specific factors was developed that weighted each State's factor by its share of eligible individuals before applying any annual-to-monthly adjustment factor. This resulted in a national annual-to-monthly adjustment factor of 1.1126 for White-only, non-Hispanic children and 1.0326 for all other children (see table D.3).

The 12-month certification policy option was also considered for the purposes of estimating children's WIC eligibility in Puerto Rico and the other U.S. territories. Estimates for Puerto Rico and other U.S. territories were adjusted using a single factor for all children with 12-month certifications (1.0681).³ A single factor for all children was applied rather than separate factors for race and ethnicity because data on individuals living in Puerto Rico and other U.S. territories are not available in the Survey of Income and Program Participation (SIPP).

³ Consistent with prior estimates of WIC eligibility in the U.S. territories, all territories were assigned a uniform adjustment factor corresponding to the 12-month certification period adoption status of most territories. As a result, estimates for the U.S. Virgin Islands use the 12-month certification adjustment factor despite this territory administering 6-month certifications for children.

Table D.3. Calculation of the National-Level Annual-to-Monthly Adjustment Factor Used for the National CY 2019 Estimates of Children Eligible for WIC

State	State-Specific Annual-to-Monthly Factor		State Share of National Estimate of Children Eligible for WIC		State-Specific Factor Weighted by Share	
	White-Only, Non-Hispanic Children	All Other Children	White-Only, Non-Hispanic Children	All Other Children	White-Only, Non-Hispanic Children	All Other Children
Alabama	1.1200	1.0338	0.0213	0.0150	0.0239	0.0156
Alaska	1.1200	1.0338	0.0030	0.0030	0.0034	0.0031
Arizona	1.1200	1.0338	0.0164	0.0271	0.0183	0.0280
Arkansas	1.0682	1.0159	0.0180	0.0092	0.0192	0.0094
California	1.1200	1.0338	0.0539	0.1636	0.0603	0.1691
Colorado	1.1200	1.0338	0.0138	0.0140	0.0155	0.0145
Connecticut	1.1200	1.0338	0.0071	0.0083	0.0080	0.0086
Delaware	1.1200	1.0338	0.0029	0.0031	0.0033	0.0033
District of Columbia	1.1200	1.0338	0.0000	0.0031	0.0000	0.0032
Florida	1.1200	1.0338	0.0563	0.0724	0.0631	0.0749
Georgia	1.1200	1.0338	0.0295	0.0415	0.0330	0.0429
Hawaii	1.1200	1.0338	0.0014	0.0066	0.0016	0.0069
Idaho	1.1200	1.0338	0.0112	0.0030	0.0126	0.0031
Illinois	1.1200	1.0338	0.0352	0.0372	0.0394	0.0384
Indiana	1.1200	1.0338	0.0364	0.0126	0.0408	0.0130
Iowa	1.1200	1.0338	0.0167	0.0046	0.0187	0.0048
Kansas	1.1200	1.0338	0.0121	0.0062	0.0136	0.0065
Kentucky	1.0682	1.0159	0.0305	0.0072	0.0325	0.0073
Louisiana	1.0865	1.0222	0.0185	0.0185	0.0201	0.0189
Maine	1.1200	1.0338	0.0071	0.0008	0.0080	0.0008
Maryland	1.1200	1.0338	0.0106	0.0198	0.0118	0.0205
Massachusetts	1.1200	1.0338	0.0143	0.0150	0.0160	0.0155
Michigan	1.1200	1.0338	0.0421	0.0211	0.0472	0.0218
Minnesota	1.1200	1.0338	0.0179	0.0121	0.0200	0.0126
Mississippi	1.1200	1.0338	0.0121	0.0113	0.0135	0.0117
Missouri	1.1200	1.0338	0.0317	0.0100	0.0355	0.0103
Montana	1.1200	1.0338	0.0064	0.0015	0.0071	0.0016
Nebraska	1.0682	1.0159	0.0065	0.0042	0.0070	0.0042
Nevada	1.1200	1.0338	0.0057	0.0114	0.0064	0.0118
New Hampshire	1.1200	1.0338	0.0053	0.0006	0.0059	0.0006
New Jersey	1.0987	1.0264	0.0169	0.0241	0.0185	0.0248
New Mexico	1.1200	1.0338	0.0036	0.0115	0.0040	0.0119
New York	1.1200	1.0338	0.0521	0.0613	0.0583	0.0634
North Carolina	1.1200	1.0338	0.0328	0.0325	0.0367	0.0336
North Dakota	1.1200	1.0338	0.0024	0.0015	0.0027	0.0015
Ohio	1.0682	1.0159	0.0558	0.0224	0.0596	0.0227
Oklahoma	1.1200	1.0338	0.0180	0.0135	0.0201	0.0140

State	State-Specific Annual-to-Monthly Factor		State Share of National Estimate of Children Eligible for WIC		State-Specific Factor Weighted by Share	
	White-Only, Non-Hispanic Children	All Other Children	White-Only, Non-Hispanic Children	All Other Children	White-Only, Non-Hispanic Children	All Other Children
Oregon	1.1200	1.0338	0.0164	0.0078	0.0183	0.0081
Pennsylvania	1.1200	1.0338	0.0445	0.0273	0.0499	0.0282
Rhode Island	1.1200	1.0338	0.0023	0.0026	0.0026	0.0026
South Carolina	1.1200	1.0338	0.0189	0.0158	0.0211	0.0164
South Dakota	1.1200	1.0338	0.0040	0.0019	0.0045	0.0020
Tennessee	1.1200	1.0338	0.0331	0.0170	0.0371	0.0176
Texas	1.1200	1.0338	0.0529	0.1402	0.0592	0.1449
Utah	1.1200	1.0338	0.0133	0.0056	0.0149	0.0058
Vermont	1.1200	1.0338	0.0036	0.0002	0.0040	0.0003
Virginia	1.1200	1.0338	0.0223	0.0193	0.0250	0.0199
Washington	1.1200	1.0338	0.0268	0.0186	0.0301	0.0192
West Virginia	1.0682	1.0159	0.0132	0.0014	0.0141	0.0014
Wisconsin	1.1200	1.0338	0.0206	0.0109	0.0231	0.0113
Wyoming	1.1200	1.0338	0.0029	0.0003	0.0033	0.0003
U.S. Total	—	—	—	—	1.1126	1.0326

Note: State shares are based on State eligibility before applying the annual-to-monthly adjustment factors.

CY = calendar year

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Appendix E. Method for Imputing WIC Eligibility via Medicaid-Only Among Out-Of-Universe Infants in the CPS-ASEC

This appendix describes the methodology used for imputing Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) eligibility via Medicaid-only among out-of-universe infants in the 2020 Current Population Survey Annual Social and Economic Supplement (CPS-ASEC). The U.S. Census Bureau makes periodic improvements to the CPS-ASEC data. For the 2019 CPS-ASEC (used to produce the 2018 WIC eligibility estimates), the U.S. Census Bureau used new data processing procedures that included more accurate information on health insurance coverage and household income. However, these new processing procedures have an impact on how the estimates of the number of infants eligible for WIC are derived.

Under the prior CPS-ASEC processing procedures, health insurance coverage was imputed for a subset of infants born during the interview year. The Committee on National Statistics (CNSTAT) panel recommended counting all infants at the time of the interview for the purposes of estimating the number of infants eligible for WIC in the prior year, even though some had not yet been born in the prior year (and compensating for the fact that some infants born during the prior year were age 1 by the time of the interview).⁴ For example, an infant born between January and March of the interview year (e.g., 2016) could be shown as participating in Medicaid in the prior year (e.g., 2015) based on U.S. Census Bureau imputations, even though the infant had not yet been born. However, the new CPS-ASEC processing procedures removed infants born during the interview year from the universe of variables that describe health insurance coverage during the prior year. As a result, information on health insurance coverage for infants aged 0–3 months is no longer available in the CPS-ASEC.

This change in the CPS-ASEC processing procedures creates a data limitation for estimating the number of eligible infants. Infants aged 0–3 months can no longer be estimated as adjunctively income-eligible for WIC via Medicaid only. Because of this limitation, the study team identified a method for imputing Medicaid eligibility for infants aged 0–3 months in the 2020 CPS-ASEC (used for the 2019 estimates) to create a more complete estimate of eligible infants. The study team then used the same methods applied to the 2019 estimates to update the 2016–2018 estimates presented in this report. The revised 2016–2018 estimates fell within the margin of error of the original 2016–2018 estimates.

A. Overview of Imputation Method

The study team applied a stepwise logistic regression to select variables for a model to predict infant Medicaid coverage in the previous year (year of estimates) for 4 years of estimates (2016–2019). The following variables were included as possible predictor variables: (1) relationship to the family reference person, (2) sex, (3) race or ethnicity, (4) State Federal Information Processing Standards (FIPS) code, (5) household receipt of SNAP in the prior year, (6) number of persons in household, (7) presence of parents, (8) household income-to-poverty ratio, (9) current Medicaid coverage, and (10) receipt of WIC by an adult female in the household in the prior year. The following variables were selected for the final model:

- ▶ Household receipt of SNAP in the prior year
- ▶ Household income-to-poverty ratio
- ▶ Current Medicaid coverage
- ▶ Receipt of WIC by an adult female in the household in the prior year

⁴ Ver Ploeg, M., & Betson, D. M. (Eds.). (2003). *Estimating eligibility and participation for the WIC program: Final report*. The National Academies Press.

The logistic-regression model was fit to data for infants aged 4–11 months and regression coefficients were estimated for each of the predictor variables. The estimated regression coefficients were then used to predict probabilities of Medicaid eligibility for infants aged 4–11 months and aged 0–3 months in each year. To assess the accuracy of the model, predictions of Medicaid coverage for infants aged 4–11 months were compared to the known values of prior-year Medicaid coverage. The final model correctly predicted Medicaid coverage in the previous year for 97–99 percent of infants aged 4–11 months across all 4 years of estimates (see table E.1).

Table E.1. Concordance of Current and Prior-Year Medicaid Coverage by Estimate Year

Estimate Year	Percent of Infants Aged 4–11 Months With Matching Values for Predicted and Reported Prior-Year Medicaid Coverage
2019	97.2
2018	98.4
2017	99.1
2016	97.2

Source: U.S. Census Bureau, n.d.a

The study team used out-of-sample prediction to apply the model to infants aged 0–3 months, resulting in each infant being assigned a probability of Medicaid coverage in the prior year. These predictions were used to estimate the expected number of infants aged 0–3 months eligible via Medicaid only. For each estimate year, the person-level predicted probabilities were multiplied by the person-level survey weights and totaled to yield the estimate, which is intended to align with the U.S. Census Bureau’s methods of imputing Medicaid coverage for infants who were not born in the prior calendar year.

To obtain individual-level assignment of eligibility via Medicaid only, the predicted probabilities of Medicaid eligibility for infants aged 0–3 months were sorted in descending order. Processing the sorted list in descending order of probability, infants aged 0–3 months with the largest predicted probabilities were imputed as eligible via Medicaid only until the sum of the person-level weights exceeded the estimated expected number of infants aged 0–3 months eligible via Medicaid. All remaining infants aged 0–3 months were imputed as not eligible via Medicaid only.

B. Results

This method accommodates potential year-to-year variation in Medicaid coverage and yields a higher concordance between predicted and reported prior-year Medicaid coverage compared to other methods explored by the study team. The list of candidate variables can be updated based on variables available in future releases of CPS-ASEC data. This method also results in individual-level assignment of eligibility via Medicaid that is useful for understanding the demographics and characteristics of eligible infants.

Table E.2 provides the expected number of infants aged 0–3 months eligible for WIC via Medicaid only under the imputation method for the 2016–2019 estimates. The estimates presented in table E.2 are the number of infants aged 0–3 months estimated to be eligible for WIC via Medicaid only prior to any adjustments.

Table E.2. Number of Infants Aged 0–3 Months Estimated to Be Eligible via Medicaid Only in the CPS-ASEC

Estimate Year	Infants Eligible for WIC via Medicaid Only
2019	68,420
2018	50,024
2017	55,822
2016	55,200

Note: These estimates are the weighted number of infants aged 0–3 months in the CPS-ASEC estimated to be eligible for WIC via Medicaid only prior to any adjustments (see table A.1 for more information on adjustment factors applied to the CPS-ASEC estimates).

Source: U.S. Census Bureau, n.d.a

For this report, the study team updated the 2016–2018 WIC eligibility estimates to use the new method for imputing Medicaid eligibility among infants aged 0–3 months. Table E.3 shows the effect of the imputation methods on the revised 2016–2018 estimates.

Table E.3. Effect of Imputation Methods on the CY 2016–CY 2018 Estimates by Participant Category

Participant Category	Original Estimates	Revised Estimates	Net Change	Percent Change
2018 Estimates				
Infants	1,725,558	1,778,074	52,516	3.0
Children	7,827,066	7,827,066	0	0.0
Pregnant women	1,138,061	1,172,560	34,499	3.0
Postpartum women	1,178,712	1,214,917	36,205	3.1
Breastfeeding women	781,683	806,186	24,503	3.1
Non-breastfeeding women	397,029	408,731	11,702	2.9
Total	11,869,397	11,992,617	123,220	1.0
2017 Estimates				
Infants	1,882,098	1,938,740	56,642	3.0
Children	8,423,507	8,423,507	0	0.0
Pregnant women	1,240,634	1,277,876	37,243	3.0
Postpartum women	1,286,942	1,325,892	38,951	3.0
Breastfeeding women	856,033	882,291	26,258	3.1
Non-breastfeeding women	430,909	443,601	12,693	2.9
Total	12,833,181	12,966,016	132,835	1.0
2016 Estimates				
Infants	1,890,953	1,949,098	58,145	3.1
Children	8,458,358	8,458,358	0	0.0
Pregnant women	1,246,284	1,284,584	38,300	3.1
Postpartum women	1,292,642	1,332,416	39,774	3.1
Breastfeeding women	858,632	885,062	26,430	3.1
Non-breastfeeding women	434,010	447,354	13,344	3.1
Total	12,888,236	13,024,455	136,219	1.1

Note: The revised 2016–2018 estimates fell within the margin of error of the original 2016–2018 estimates.

CY = calendar year

Table E.4 shows the effect of the imputation methods on the revised 2016–2018 coverage rates by participant category.

Table E.4. Effect of Imputation Methods on the CY 2016–CY 2018 Coverage Rates by Participant Category

Participant Category	Original Coverage Rates	Revised Coverage Rates	Percentage Point Change
2018 Estimates			
Infants	97.8	94.9	-2.9
Children	44.2	44.2	0.0
Pregnant women	53.3	51.7	-1.6
Postpartum women	84.4	81.9	-2.5
Breastfeeding women	68.7	66.6	-2.1
Non-breastfeeding women	†	†	N/A
Total	56.9	56.3	-0.6
2017 Estimates			
Infants	93.9	91.2	-2.7
Children	44.0	44.0	0.0
Pregnant women	53.0	51.5	-1.5
Postpartum women	82.1	79.7	-2.4
Breastfeeding women	66.6	64.7	-2.0
Non-breastfeeding women	†	†	N/A
Total	56.0	55.4	-0.6
2016 Estimates			
Infants	98.0	95.1	-2.9
Children	46.4	46.4	0.0
Pregnant women	56.8	55.1	-1.7
Postpartum women	85.6	83.0	-2.6
Breastfeeding women	68.8	66.7	-2.1
Non-breastfeeding women	†	†	N/A
Total	58.9	58.3	-0.6

Note: The revised 2016–2018 coverage rates fell within the margin of error of the original 2016–2018 coverage rates.

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent

CY = calendar year

N/A = not applicable

Appendix F. Data for Figures in Volumes I and II

This appendix includes the data used for figures and maps presented in this report.

Table F.1. Trends in WIC Eligibility by Participant Category: CY 2005–CY 2019

Participant Category	2005	2006	2007	2008	2009	2010	2011	2012
Infants	2,558,198	2,547,352	2,469,895	2,444,907	2,450,486	2,492,692	2,369,335	2,293,360
Children	8,438,790	8,199,817	8,189,922	8,565,160	9,025,534	9,100,231	8,675,794	8,752,082
1-year-old children	2,254,002	2,153,096	2,132,181	2,243,777	2,317,085	2,203,653	2,251,413	2,160,352
2-year-old children	2,115,499	2,047,789	2,052,056	2,087,040	2,267,648	2,275,554	2,097,521	2,176,383
3-year-old children	2,021,426	1,999,006	2,032,293	2,119,326	2,264,937	2,358,306	2,142,043	2,223,216
4-year-old children	2,047,864	1,999,926	1,973,393	2,115,017	2,175,865	2,262,718	2,184,818	2,192,131
Pregnant women	1,668,448	1,661,374	1,610,857	1,594,559	1,598,198	1,625,725	1,545,272	1,495,721
Postpartum women	1,555,282	1,571,818	1,544,977	1,537,912	1,535,907	1,570,531	1,515,309	1,475,700
Breastfeeding women	822,301	853,615	870,455	867,826	860,220	879,159	886,444	876,592
Non-breastfeeding women	732,981	718,203	674,522	670,086	675,687	691,372	628,865	599,108
Total	14,220,718	13,980,361	13,815,651	14,142,538	14,610,125	14,789,179	14,105,710	14,016,863

CY = calendar year

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.b

Table F.1 (continued). Trends in WIC Eligibility by Participant Category: CY 2005–CY 2019

Participant Category	2013	2014	2015	2016	2017	2018	2019
Infants	2,383,446	2,451,750	2,506,686	1,949,098	1,938,740	1,778,074	1,617,143
Children	8,929,389	9,347,672	9,268,848	8,458,358	8,423,507	7,827,066	7,199,043
1-year-old children	2,246,216	2,312,140	2,274,986	2,159,720	2,132,153	1,925,732	1,696,150
2-year-old children	2,210,997	2,318,334	2,321,950	2,133,906	2,199,235	1,931,721	1,793,823
3-year-old children	2,189,298	2,357,342	2,340,558	2,111,732	2,078,947	2,051,732	1,781,576
4-year-old children	2,282,879	2,359,857	2,331,355	2,053,001	2,013,172	1,917,881	1,927,494
Pregnant women	1,554,475	1,599,023	1,634,852	1,284,584	1,277,876	1,172,560	1,066,052
Postpartum women	1,544,490	1,606,863	1,652,116	1,332,416	1,325,892	1,214,917	1,108,854
Breastfeeding women	938,157	998,025	1,034,333	885,062	882,291	806,186	742,473
Non-breastfeeding women	606,333	608,838	617,783	447,354	443,601	408,731	366,381
Total	14,411,800	15,005,308	15,062,503	13,024,455	12,966,016	11,992,617	10,991,092

Note: Eligibility estimates for 2016–2019 differ methodologically from earlier estimates because of changes to the underlying data sources. Comparisons between the 2016–2019 estimates and prior estimates should be interpreted with caution (see chapter 2 in Farson Gray et al., 2021 for more information). The 2016–2018 estimates presented in this report were updated to incorporate the methods used to impute Medicaid eligibility among 0–3-month-old infants in the CPS-ASEC (see appendix E in volume II for more information).

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.b

Table F.2. Regional-Level WIC Eligibility by Participant Category: CY 2005–CY 2019

FNS Region	2005	2006	2007	2008	2009	2010	2011	2012
Infants								
Northeast	206,365	206,379	199,728	199,727	201,618	212,157	209,890	196,252
Mid-Atlantic	283,563	280,232	267,317	261,435	278,918	276,393	263,384	261,129
Southeast	516,939	533,067	513,546	510,633	520,664	525,034	497,781	482,812
Midwest	379,646	371,990	359,711	366,835	373,180	380,165	367,236	339,373
Southwest	431,129	425,727	423,067	404,434	396,202	402,943	381,018	364,505
Mountain Plains	196,868	195,657	187,271	184,598	188,713	188,501	176,474	168,178
Western	543,689	534,299	519,254	517,245	491,190	507,500	473,552	481,110
Total	2,558,198	2,547,352	2,469,895	2,444,907	2,450,486	2,492,692	2,369,335	2,293,360
Children								
Northeast	714,354	704,637	695,870	722,369	760,385	771,076	733,634	773,993
Mid-Atlantic	966,344	918,016	924,422	969,897	1,003,801	1,023,130	962,006	976,797
Southeast	1,692,528	1,661,879	1,653,911	1,780,460	1,894,699	1,894,494	1,820,166	1,830,151
Midwest	1,257,607	1,212,287	1,208,928	1,269,807	1,383,542	1,411,935	1,335,646	1,279,045
Southwest	1,389,898	1,386,648	1,367,724	1,414,712	1,425,242	1,433,611	1,356,633	1,396,436
Mountain Plains	650,739	625,462	632,189	628,839	681,760	694,702	675,421	661,621
Western	1,767,321	1,690,888	1,706,880	1,779,075	1,876,103	1,871,283	1,792,286	1,834,037
Total	8,438,791	8,199,817	8,189,923	8,565,160	9,025,535	9,100,231	8,675,795	8,752,082
Pregnant Women								
Northeast	134,590	134,600	130,262	130,261	131,495	138,368	136,889	127,995
Mid-Atlantic	184,939	182,766	174,343	170,507	181,909	180,263	171,778	170,307
Southeast	337,146	347,664	334,933	333,033	339,575	342,425	324,651	314,889
Midwest	247,604	242,611	234,603	239,248	243,387	247,943	239,510	221,338
Southwest	281,181	277,657	275,923	263,770	258,401	262,798	248,498	237,729
Mountain Plains	128,396	127,607	122,138	120,394	123,078	122,940	115,096	109,685
Western	354,592	348,468	338,656	337,345	320,352	330,990	308,849	313,778
Total	1,668,448	1,661,374	1,610,857	1,594,559	1,598,198	1,625,725	1,545,272	1,495,721

FNS Region	2005	2006	2007	2008	2009	2010	2011	2012
Postpartum Breastfeeding Women								
Northeast	70,293	70,678	72,681	77,266	76,480	81,879	83,151	78,465
Mid-Atlantic	81,178	81,195	75,852	71,147	76,440	79,267	84,612	88,259
Southeast	122,844	136,106	141,397	144,392	146,087	144,819	147,675	146,471
Midwest	104,109	101,991	106,315	109,024	119,252	117,730	121,204	118,923
Southwest	125,150	132,844	142,511	133,905	121,533	126,259	125,602	125,880
Mountain Plains	73,575	80,137	84,457	83,357	85,457	79,430	78,011	69,076
Western	245,152	250,664	247,243	248,735	234,970	249,775	246,191	249,519
Total	822,301	853,615	870,455	867,826	860,220	879,159	886,444	876,592
Postpartum Non-Breastfeeding Women								
Northeast	58,369	58,200	54,251	53,559	54,233	57,068	54,595	50,502
Mid-Atlantic	86,592	85,060	80,243	79,088	84,391	83,668	75,566	73,141
Southeast	168,296	169,633	157,207	156,456	159,068	161,775	147,511	141,982
Midwest	116,944	114,162	105,929	108,426	107,456	111,315	102,786	92,661
Southwest	126,047	120,511	114,584	110,745	111,313	113,839	103,895	98,794
Mountain Plains	51,952	50,048	46,110	45,956	46,780	48,281	42,800	41,215
Western	124,780	120,587	116,197	115,856	112,446	115,426	101,711	100,814
Total	732,981	718,203	674,522	670,086	675,687	691,372	628,865	599,108

Note: On October 1, 2019, the FNS Regions were realigned. The 2019 estimates presented in this table reflect the realigned FNS Regions. Estimates for 2016–2019 differ methodologically from earlier estimates because of changes to the underlying data sources. Comparisons between the 2016–2019 estimates and prior estimates should be interpreted with caution (see chapter 2 in Farson Gray et al., 2021 for more information). The 2016–2018 estimates presented in this report were updated to incorporate the methods used to impute Medicaid eligibility among 0–3-month-old infants in the CPS-ASEC (see appendix E in volume II for more information).

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b

Table F.2 (continued). Regional-Level WIC Eligibility by Participant Category: CY 2005–CY 2019

FNS Region	2013	2014	2015	2016	2017	2018	2019
Infants							
Northeast	211,248	218,523	216,978	174,093	169,530	154,202	143,267
Mid-Atlantic	270,095	272,098	281,006	212,874	208,959	197,535	179,566
Southeast	493,328	526,362	539,363	428,528	406,607	382,842	371,996
Midwest	350,952	368,281	370,624	285,910	272,703	252,744	241,338
Southwest	380,903	381,902	399,527	313,479	326,176	297,006	320,297
Mountain Plains	182,119	193,883	197,829	147,796	143,479	128,196	89,213
Western	494,800	490,700	501,360	386,417	411,287	365,549	271,465
Total	2,383,446	2,451,750	2,506,686	1,949,098	1,938,740	1,778,074	1,617,143
Children							
Northeast	797,138	837,926	818,395	743,581	727,643	682,180	642,465
Mid-Atlantic	1,004,838	1,053,757	1,049,675	949,003	948,458	882,159	813,842
Southeast	1,896,838	1,992,652	1,951,240	1,817,411	1,816,838	1,704,501	1,573,946
Midwest	1,314,508	1,392,932	1,384,142	1,231,593	1,241,556	1,118,345	1,126,580
Southwest	1,405,210	1,452,577	1,457,684	1,338,406	1,347,724	1,274,908	1,376,484
Mountain Plains	660,008	700,741	698,992	606,779	626,586	568,933	385,468
Western	1,850,849	1,917,087	1,908,721	1,771,586	1,714,703	1,596,040	1,280,258
Total	8,929,390	9,347,672	9,268,848	8,458,358	8,423,507	7,827,066	7,199,043
Pregnant Women							
Northeast	137,775	142,520	141,512	114,723	111,712	101,663	94,435
Mid-Atlantic	176,155	177,461	183,271	140,329	137,755	130,305	118,409
Southeast	321,747	343,292	351,777	282,535	268,104	252,579	245,351
Midwest	228,890	240,192	241,719	188,302	179,562	166,555	158,946
Southwest	248,424	249,075	260,570	206,749	215,164	196,003	211,227
Mountain Plains	118,778	126,450	129,023	97,228	94,431	84,395	58,711
Western	322,707	320,033	326,985	254,717	271,148	241,061	178,973
Total	1,554,475	1,599,023	1,634,852	1,284,584	1,277,876	1,172,560	1,066,052

FNS Region	2013	2014	2015	2016	2017	2018	2019
Postpartum Breastfeeding Women							
Northeast	88,338	91,014	105,604	85,447	83,120	75,316	69,507
Mid-Atlantic	93,957	98,000	112,923	97,256	95,397	90,651	83,137
Southeast	156,611	179,626	188,515	177,368	168,404	157,830	151,310
Midwest	128,764	143,764	136,173	122,146	116,528	107,878	104,696
Southwest	130,375	139,157	149,931	132,224	138,075	124,955	143,601
Mountain Plains	76,076	84,196	86,719	72,125	69,860	62,414	42,957
Western	264,037	262,268	254,467	198,495	210,907	187,143	147,265
Total	938,157	998,025	1,034,333	885,062	882,291	806,186	742,473
Postpartum Non-Breastfeeding Women							
Northeast	52,542	54,248	48,905	37,396	36,417	33,240	31,093
Mid-Atlantic	74,234	72,953	71,414	49,120	48,209	45,400	40,210
Southeast	142,929	146,004	145,581	106,465	100,860	95,531	93,576
Midwest	92,612	93,732	97,430	69,166	65,833	61,179	57,428
Southwest	102,438	100,313	100,966	75,704	78,467	71,919	73,201
Mountain Plains	43,400	45,114	47,166	31,523	30,691	27,428	19,215
Western	98,180	96,475	106,322	77,981	83,125	74,034	51,657
Total	606,333	608,838	617,783	447,354	443,601	408,731	366,381

Note: On October 1, 2019, the FNS Regions were realigned. The 2019 estimates presented in this table reflect the realigned FNS Regions. Estimates for 2016–2019 differ methodologically from earlier estimates because of changes to the underlying data sources. Comparisons between the 2016–2019 estimates and prior estimates should be interpreted with caution (see chapter 2 in Farson Gray et al., 2021, for more information). The 2016–2018 estimates presented in this report were updated to incorporate the methods used to impute Medicaid eligibility among 0–3-month-old infants in the CPS-ASEC (see appendix E in volume II for more information).

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b

Table F.3. WIC Coverage Rates by State and Participant Category: CY 2019

State	Infants	1-Year-Old Children	2-Year-Old Children	3-Year-Old Children	4-Year-Old Children	All Children	Pregnant Women	Postpartum Women	Total
Alabama	100.0	65.6	51.4	37.9	25.3	44.6	72.4	89.9	61.8
Alaska	94.5	76.5	43.7	36.9	19.8	40.8	57.9	77.4	52.5
Arizona	95.7	71.8	48.6	43.7	20.3	44.9	41.5	80.1	55.8
Arkansas	95.3	55.3	34.9	30.5	16.4	33.6	52.8	75.5	49.1
California	100.0	76.3	62.0	59.9	39.2	58.5	61.0	93.4	68.9
Colorado	84.2	66.4	46.5	41.8	21.4	43.8	46.0	76.7	53.4
Connecticut	100.0	58.6	46.7	43.3	19.3	41.0	63.8	70.4	55.0
Delaware	98.4	53.3	39.1	35.7	18.1	36.5	51.2	71.7	49.9
District of Columbia	100.0	75.8	41.4	29.9	14.1	37.3	65.4	100.0	61.4
Florida	95.9	67.9	49.2	41.6	23.4	45.3	51.6	85.7	57.7
Georgia	92.0	51.8	40.4	34.6	15.9	35.0	49.8	75.0	49.2
Hawaii	100.0	78.3	40.6	34.5	16.9	42.5	69.4	96.2	58.4
Idaho	75.1	61.8	39.9	38.6	14.5	37.0	39.2	64.4	45.8
Illinois	100.0	41.9	37.2	32.8	20.4	32.7	46.3	83.6	47.7
Indiana	100.0	71.2	51.4	44.7	21.8	46.1	48.1	93.3	59.0
Iowa	96.0	73.6	53.0	43.3	22.0	47.4	46.8	89.3	58.6
Kansas	100.0	63.0	42.7	41.3	22.6	42.1	56.8	81.3	54.9
Kentucky	100.0	61.2	46.3	36.7	26.6	42.1	58.3	79.5	56.7
Louisiana	94.7	51.0	38.0	26.2	17.6	32.7	48.4	78.5	48.9
Maine	94.3	54.9	43.7	48.1	25.9	42.8	48.0	73.2	53.0
Maryland	100.0	80.2	63.5	51.2	27.2	54.0	65.3	96.4	67.9
Massachusetts	89.1	78.7	60.8	52.5	29.5	54.9	51.5	80.6	62.5
Michigan	100.0	74.8	58.9	52.9	26.9	53.0	62.8	75.5	64.4
Minnesota	100.0	78.5	53.8	55.4	36.1	55.1	59.8	95.1	67.2
Mississippi	100.0	60.1	46.1	43.2	28.0	44.4	51.4	87.9	59.6
Missouri	97.6	61.2	36.8	32.6	22.1	37.5	53.2	78.5	52.5
Montana	74.7	49.0	42.7	42.5	17.0	36.1	40.7	56.7	44.2
Nebraska	83.5	79.7	50.8	44.8	39.4	52.9	40.0	74.8	59.2

State	Infants	1-Year-Old Children	2-Year-Old Children	3-Year-Old Children	4-Year-Old Children	All Children	Pregnant Women	Postpartum Women	Total
Nevada	99.4	66.1	49.6	48.5	24.9	47.0	44.5	93.7	59.0
New Hampshire	91.9	55.0	52.0	44.1	21.3	41.9	51.8	75.8	51.6
New Jersey	94.7	64.4	52.7	42.8	29.0	46.5	47.0	89.6	58.1
New Mexico	74.4	53.3	34.4	31.2	17.8	33.8	39.6	64.6	43.5
New York	95.3	73.3	53.0	43.4	26.2	48.0	50.6	83.9	59.0
North Carolina	94.3	62.8	48.3	43.8	24.6	44.2	50.9	83.4	56.8
North Dakota	99.2	53.5	86.3	40.4	33.6	50.5	47.7	84.8	60.7
Ohio	†	49.4	36.5	32.1	21.1	34.2	53.7	74.7	52.3
Oklahoma	100.0	49.7	51.3	46.2	24.8	42.5	69.3	84.1	58.2
Oregon	100.0	78.2	73.3	55.6	31.0	59.1	61.0	92.8	69.0
Pennsylvania	97.5	64.7	47.4	42.3	20.9	43.1	48.0	76.7	54.7
Rhode Island	100.0	82.4	60.1	56.5	27.1	54.7	64.1	95.3	68.4
South Carolina	82.3	48.1	32.0	29.8	10.0	29.2	41.4	63.7	42.7
South Dakota	78.6	61.9	39.0	47.3	47.1	48.4	41.0	55.7	53.4
Tennessee	89.1	41.5	30.3	28.6	14.7	28.5	47.9	69.7	43.6
Texas	100.0	65.6	43.2	40.5	17.1	40.7	49.4	100.0	57.2
Utah	62.9	56.2	40.9	33.8	20.2	37.4	31.2	55.0	43.1
Vermont	100.0	91.9	76.7	89.8	24.1	63.6	65.0	99.7	72.6
Virginia	92.2	45.2	46.0	37.2	19.8	36.4	48.3	72.2	49.4
Washington	75.5	63.9	47.5	45.7	33.1	47.1	44.8	65.2	53.2
West Virginia	99.1	61.2	39.3	40.8	25.7	41.1	53.2	83.2	54.9
Wisconsin	100.0	73.9	44.5	49.4	21.9	45.8	50.8	87.2	57.9
Wyoming	84.6	75.3	48.0	40.9	17.7	44.2	45.5	75.8	53.9

State	Infants	1-Year-Old Children	2-Year-Old Children	3-Year-Old Children	4-Year-Old Children	All Children	Pregnant Women	Postpartum Women	Total
FNS Region									
Northeast	95.6	72.0	53.8	45.8	25.9	48.5	52.2	82.2	59.2
Mid-Atlantic	99.0	66.6	53.3	48.4	24.7	47.4	53.8	83.5	59.1
Southeast	96.1	59.2	44.0	38.0	20.9	40.1	51.9	80.1	53.9
Midwest	100.0	61.7	45.9	42.0	23.5	42.6	53.0	83.1	56.7
Southwest	96.5	62.0	43.0	38.6	18.2	39.7	48.5	92.7	54.6
Mountain Plains	90.5	63.7	43.1	39.0	24.4	42.2	48.7	75.5	53.6
Western	99.7	73.9	58.5	55.4	35.6	55.1	57.0	88.0	65.0
Total	98.4	64.9	48.5	43.7	24.5	44.8	52.3	84.7	57.4

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. Estimates of State-level coverage rates by year of age for children and other participant categories should be viewed with caution because of the small sample sizes for many States. See chapter 6 in volume I for more details on statistical uncertainty for these estimates. State and regional eligibility estimates and participant data include individuals in Indian Tribal Organizations who were eligible for WIC. Estimates for Puerto Rico and other U.S. territories are included in the total but not shown separately because of small sample sizes. The estimated coverage rates exceeded 100 percent for infants in Alabama, California, Connecticut, District of Columbia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maryland, Michigan, Minnesota, Mississippi, Oklahoma, Oregon, Rhode Island, Texas, Vermont, Wisconsin, and in the Midwest Region; and for postpartum women in the District of Columbia and Texas. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent.

CY = calendar year

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b; Kline et al., 2020; unpublished internal WIC administrative data

Table F.4. WIC Coverage Rates by Participant Category: CY 2005–CY 2019

Participant Category	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All Participants	56.5	58.1	60.6	62.4	62.9	61.6	63.5	63.2	59.3	54.8	52.7	58.3	55.4	56.3	57.4
Infants	80.3	82.2	88.5	91.1	90.5	86.3	88.5	89.8	84.6	80.0	76.9	95.1	91.2	94.9	98.4
Children	47.4	48.6	49.8	51.7	53.1	53.2	54.8	53.9	50.5	46.0	44.4	46.4	44.0	44.2	44.8
1-year-old children	62.0	65.8	67.9	72.0	75.4	76.5	73.6	76.1	70.0	68.2	62.8	63.5	60.7	61.4	64.9
2-year-old children	49.0	50.2	51.3	54.2	54.0	55.7	59.5	54.9	51.6	48.1	47.0	49.3	45.1	48.4	48.5
3-year-old children	45.1	44.5	44.7	46.0	46.5	46.8	50.7	49.5	48.0	42.2	41.8	44.1	42.2	40.7	43.7
4-year-old children	32.0	32.7	33.9	33.4	35.2	34.5	35.1	35.5	32.6	25.9	26.3	27.8	26.7	26.5	24.5
Pregnant women	52.4	54.1	56.5	58.1	59.0	56.8	57.9	59.0	54.0	50.2	46.4	55.1	51.5	51.7	52.3
Postpartum women	70.8	72.9	77.7	80.3	80.5	76.3	79.3	81.6	76.6	72.6	69.2	83.0	79.7	81.9	84.7
Breastfeeding women	61.4	62.1	64.1	67.2	68.4	64.4	65.1	67.5	63.3	59.5	57.4	66.7	64.7	66.6	68.4
Non-breastfeeding women	81.3	85.8	95.3	97.4	95.8	91.4	99.4	100.0	97.2	94.1	88.9	†	†	†	†

Note: Coverage rate estimates for 2016–2019 differ methodologically from earlier estimates because of changes to the underlying data sources. Comparisons between the 2016–2019 estimates and prior estimates should be interpreted with caution (see chapter 2 in Farson Gray et al., 2021 for more information). The 2016–2018 estimates presented in this report were updated to incorporate the methods used to impute Medicaid eligibility among 0–3-month-old infants in the CPS-ASEC (see appendix E in volume II for more information). The estimated coverage rate for postpartum non-breastfeeding women exceeded 100 percent in 2012. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates.

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.b; unpublished WIC administrative data

Table F.5. WIC Coverage Rates by FNS Region and Participant Category: CY 2005–CY 2019

FNS Region	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All Participants															
Total	56.5	58.1	60.6	62.4	62.9	61.6	63.5	63.2	59.3	54.8	52.7	58.3	55.4	56.3	57.4
Northeast	61.4	62.1	64.3	65.4	65.0	61.7	63.4	63.9	58.9	53.7	52.8	59.2	57.9	59.5	59.2
Mid-Atlantic	58.1	60.8	62.9	64.8	64.0	62.5	65.4	64.4	61.1	56.6	54.6	60.9	57.6	57.0	59.1
Southeast	51.9	53.3	57.4	59.6	59.2	57.6	59.2	59.0	55.0	50.4	50.0	54.6	53.3	53.8	53.9
Midwest	54.4	57.2	59.4	60.1	58.7	56.7	57.5	59.6	55.9	51.5	49.2	55.1	53.2	55.6	56.7
Southwest	55.3	54.7	56.4	58.9	63.2	63.1	64.1	62.5	59.3	55.9	53.1	58.9	54.8	53.3	54.6
Mountain Plains	48.1	49.4	50.7	54.2	53.8	52.8	53.5	54.1	49.8	45.5	43.5	50.8	48.3	51.0	53.6
Western	63.3	66.3	68.9	69.8	71.2	70.8	74.4	72.7	68.5	64.0	60.1	64.8	59.9	61.7	65.0
Infants															
Total	80.3	82.2	88.5	91.1	90.5	86.3	88.5	89.8	84.6	80.0	76.9	95.1	91.2	94.9	98.4
Northeast	88.0	88.7	94.4	96.4	93.4	86.1	86.2	91.0	82.3	75.8	74.9	90.5	89.4	94.5	95.6
Mid-Atlantic	82.8	85.5	91.6	94.4	88.3	87.5	90.2	90.6	86.1	82.1	79.0	99.4	95.0	95.0	99.0
Southeast	78.0	79.0	88.0	91.2	88.4	84.1	87.6	88.4	84.4	77.7	76.2	91.2	93.8	98.2	96.1
Midwest	83.0	86.7	92.5	91.7	88.3	84.8	84.3	89.5	85.2	79.1	77.0	98.6	99.0	100.0	100.0
Southwest	77.6	78.2	81.7	87.1	91.8	88.6	89.5	91.8	86.7	85.2	80.3	99.7	90.9	93.0	96.5
Mountain Plains	69.7	70.0	75.6	79.6	80.6	79.1	79.9	80.9	72.6	67.6	64.5	82.7	80.9	86.9	90.5
Western	82.1	85.7	92.4	94.2	97.0	89.9	95.0	92.1	87.2	84.8	79.5	97.5	86.0	90.8	99.7
Children															
Total	47.4	48.6	49.8	51.7	53.1	53.2	54.8	53.9	50.5	46.0	44.4	46.4	44.0	44.2	44.8
Northeast	51.3	51.5	52.5	53.7	54.8	53.3	55.6	54.6	51.4	46.3	46.1	49.5	48.2	48.9	48.5
Mid-Atlantic	49.3	51.9	52.0	53.7	55.4	54.2	57.1	55.6	53.0	48.5	47.2	49.6	46.6	45.8	47.4
Southeast	41.1	42.3	44.5	47.2	48.4	48.0	48.9	48.2	44.2	40.0	40.1	42.0	39.8	39.6	40.1
Midwest	44.0	45.9	47.2	48.9	48.8	47.6	48.7	49.6	46.3	42.5	40.3	42.4	40.1	42.3	42.6
Southwest	46.6	45.1	46.2	48.0	51.9	52.7	53.4	50.3	47.5	43.7	41.5	43.7	41.3	38.9	39.7
Mountain Plains	39.9	41.4	41.7	45.6	45.2	44.5	45.1	44.9	41.7	37.8	36.4	40.6	38.0	40.0	42.2
Western	56.8	59.5	60.4	61.4	62.8	65.5	68.6	67.3	63.6	57.9	54.4	54.7	52.2	53.4	55.1

FNS Region	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pregnant Women															
Total	52.4	54.1	56.5	58.1	59.0	56.8	57.9	59.0	54.0	50.2	46.4	55.1	51.5	51.7	52.3
Northeast	57.4	58.7	60.8	61.2	60.7	56.1	55.4	58.8	50.7	47.0	45.1	53.2	51.1	52.1	52.2
Mid-Atlantic	52.0	54.3	56.9	59.6	56.9	55.8	56.5	56.0	53.2	49.8	49.4	59.4	55.9	53.6	53.8
Southeast	49.8	50.7	53.8	55.8	55.3	54.6	55.7	56.8	53.1	47.9	45.0	52.9	53.9	55.0	51.9
Midwest	52.0	55.0	57.3	57.1	57.8	55.3	54.7	58.5	53.7	49.0	44.2	53.0	51.5	50.8	53.0
Southwest	51.2	51.9	52.7	57.1	61.0	58.8	59.5	61.6	56.3	53.6	48.1	57.0	50.6	49.0	48.5
Mountain Plains	46.0	43.7	45.7	48.0	50.2	47.8	49.8	50.9	44.2	41.0	37.3	46.2	44.8	46.7	48.7
Western	56.7	60.3	63.7	63.6	66.1	62.8	66.5	64.3	59.0	56.3	50.5	59.4	50.0	51.7	57.0
Postpartum Women															
Total	70.8	72.9	77.7	80.3	80.5	76.3	79.3	81.6	76.6	72.6	69.2	83.0	79.7	81.9	84.7
Northeast	79.0	80.6	85.5	86.3	85.3	76.6	78.1	83.2	74.6	69.7	64.6	78.7	78.5	83.5	82.2
Mid-Atlantic	73.7	75.9	85.2	90.5	83.8	79.6	84.0	83.8	77.6	73.8	65.0	79.5	77.0	77.9	83.5
Southeast	71.0	72.0	79.6	83.4	81.0	74.7	78.8	81.0	77.5	72.0	70.8	81.4	82.5	81.6	80.1
Midwest	67.6	72.2	75.7	75.6	71.6	67.8	68.9	73.2	69.2	63.7	63.1	73.8	75.5	78.6	83.1
Southwest	70.1	70.8	72.6	77.4	86.9	86.5	89.6	92.3	88.9	86.0	81.9	97.2	89.3	91.3	92.7
Mountain Plains	58.9	62.2	63.4	66.0	63.5	64.4	65.6	71.8	64.8	58.8	55.6	69.5	68.8	73.6	75.5
Western	72.9	75.2	80.1	81.5	84.5	78.7	82.8	81.6	76.8	75.6	71.9	89.2	78.0	81.4	88.0

Note: On October 1, 2019, the FNS Regions were realigned. The 2019 estimates presented in this table reflect the realigned FNS Regions. Coverage rate estimates for 2016–2019 differ methodologically from earlier estimates because of changes to the underlying data sources. Comparisons between the 2016–2019 estimates and prior estimates should be interpreted with caution (see chapter 2 in Farson Gray et al., 2021 for more information). The 2016–2018 estimates presented in this report were updated to incorporate the methods used to impute Medicaid eligibility among 0–3-month-old infants in the CPS-ASEC (see appendix E in volume II for more information). The estimated coverage rate exceeded 100 percent for infants in the Midwest Region in 2018 and 2019. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates.

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.b; unpublished WIC administrative data

Table F.6. WIC Eligibility, Participants, and Coverage Rates by Participant Category and by Race and Hispanic Ethnicity: CY 2019

Participant Category	Hispanic/Latino	White-Only, Not Hispanic	Black-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic	Total
Number Eligible					
Infants	545,534	615,148	324,257	127,238	1,612,177
Children	2,539,986	2,643,015	1,343,012	652,131	7,178,144
Pregnant women	360,326	403,619	215,074	83,763	1,062,783
Postpartum women	382,697	423,295	211,914	87,543	1,105,450
Total	3,828,544	4,085,078	2,094,257	950,675	10,958,553
Number Participating					
Infants	600,197	474,944	364,165	147,956	1,587,262
Children	1,402,419	895,412	605,463	310,116	3,213,410
Pregnant women	210,110	190,981	115,298	40,065	556,454
Postpartum women	365,166	296,637	204,542	70,670	937,015
Total	2,577,892	1,857,974	1,289,468	568,806	6,294,140
Coverage Rate					
Infants	†	77.2*	†	†	98.5
Children	55.2*	33.9*	45.1	47.6	44.8
Pregnant women	58.3*	47.3*	53.6	47.8*	52.4
Postpartum women	95.4*	70.1*	96.5*	80.7	84.8
Total	67.3*	45.5*	61.6*	59.8	57.4

Note: Estimates for U.S. territories other than Puerto Rico are not included in the calculation of the coverage rates in this table because information on race and ethnicity was not available for the other U.S. territories in the data.

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

* indicates a statistically significant difference at the 95-percent confidence level between the coverage rate for a participant category's race/ethnicity and the national coverage rate for that category. The statistical significance testing was conducted based on the CPS-ASEC data, which included data only for States. It did not include data for Puerto Rico or the other U.S. territories served by WIC.

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Table F.7. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity: CY 2019

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White- Only, Not Hispanic ^a	Total
Alabama	93.8*	51.2*	66.3	61.8*
Alaska	46.4	36.4	67.8	52.5
Arizona	56.4*	47.8	65.1	55.8
Arkansas	58.2*	46.6	49.6*	49.1*
California	76.6*	36.8*	69.5	68.9*
Colorado	59.7*	44.7	57.2	53.4*
Connecticut	67.7	33.3*	61.5	55.0
Delaware	57.7	36.2	57.3	49.9*
District of Columbia	78.0	44.7	57.7	61.4
Florida	63.9	41.6*	66.9*	57.7
Georgia	52.5*	45.6	50.2*	49.2*
Hawaii	52.4*	39.7	65.0	58.4
Idaho	58.1	39.5*	66.7	45.8*
Illinois	54.3*	39.2*	50.3*	47.7*
Indiana	73.5	51.8*	69.5	59.0
Iowa	68.7	49.9	82.6*	58.6
Kansas	63.1	46.7	66.2	54.9
Kentucky	57.9	56.7*	56.3	56.7
Louisiana	50.1*	43.6	52.4*	48.9*
Maine	48.6	49.5	78.0	53.0
Maryland	84.0*	49.6	67.6	67.9*
Massachusetts	72.7*	50.3	64.3	62.5*
Michigan	75.4	57.0*	72.7*	64.4*
Minnesota	70.7	50.9*	89.3*	67.2*
Mississippi	82.8	49.4	64.6	59.6
Missouri	55.7	48.8	61.0	52.5*
Montana	76.0	37.6*	59.9	44.2*
Nebraska	71.0	51.1	59.5	59.2
Nevada	55.4*	59.4*	66.9	59.0
New Hampshire	57.8	46.2	100.0	51.6
New Jersey	70.0	40.9*	56.8	58.1
New Mexico	47.7*	27.4*	45.8*	43.5*
New York	64.6	45.0	68.6	59.0
North Carolina	60.6*	53.2*	58.0	56.8
North Dakota	60.3	49.3	76.7	60.7
Ohio	60.5	46.5	60.5	52.3*
Oklahoma	65.1	46.6	70.8	58.2
Oregon	80.9*	63.8*	64.8	69.0*
Pennsylvania	61.1*	47.7	62.3	54.7
Rhode Island	88.9	47.7	66.6	68.4*
South Carolina	43.2*	34.9*	50.1*	42.7*
South Dakota	58.5	35.3*	83.1	53.4

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White- Only, Not Hispanic ^a	Total
Tennessee	44.9*	46.2	39.0*	43.6*
Texas	66.0	35.2*	52.0*	57.2
Utah	58.7	34.3*	53.6	43.1*
Vermont	†	69.4*	76.3	72.6*
Virginia	63.1	39.9*	51.5*	49.4*
Washington	68.3	39.3*	64.1	53.2*
West Virginia	85.1	53.1*	65.3	54.9
Wisconsin	83.9*	42.6	72.6	57.9
Wyoming	67.5	46.3	100.0	53.9
Total	67.3	45.5	61.0	57.4

Note: Estimates for Puerto Rico are included in the totals but not shown separately because of small sample sizes. Estimates for U.S. territories other than Puerto Rico are not included in the calculation of the coverage rates in this table because information on race and ethnicity was not available for the other U.S. territories in the data. The estimated coverage rate exceeded 100 percent for individuals who were in the category Other than White-Only, Not Hispanic in New Hampshire and Wyoming. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates.

CY = calendar year

* indicates a statistically significant difference at the 95-percent confidence level between the coverage rate for a State's race/ethnicity and the national coverage rate for that category

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent or an unreliable coverage rate with the lower bound of a 95-percent confidence interval below 0 percent and the upper bound above 100 percent

^aThis category includes non-Hispanic individuals who self-identify as two or more races or self-identify as a race other than White. These categories were combined because of sample size concerns.

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data

Table F.8. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2019

FNS Region	Infants	Children	Pregnant Women	Postpartum Women	Total
Number Eligible					
Northeast	143,267	642,465	94,435	100,600	980,768
Mid-Atlantic	179,566	813,842	118,409	123,347	1,235,164
Southeast	371,996	1,573,946	245,351	244,886	2,436,179
Midwest	241,338	1,126,580	158,946	162,125	1,688,989
Southwest	320,297	1,376,484	211,227	216,802	2,124,811
Mountain Plains	89,213	385,468	58,711	62,172	595,564
Western	271,465	1,280,258	178,973	198,922	1,929,618
Total	1,617,143	7,199,043	1,066,052	1,108,854	10,991,092
Number Participating					
Northeast	136,982	311,682	49,256	82,695	580,614
Mid-Atlantic	177,849	385,595	63,728	103,050	730,222
Southeast	357,372	631,266	127,337	196,032	1,312,008
Midwest	258,112	479,811	84,306	134,652	956,881
Southwest	309,238	546,515	102,541	200,971	1,159,265
Mountain Plains	80,731	162,764	28,608	46,951	319,054
Western	270,633	705,947	101,948	175,024	1,253,551
Total	1,590,916	3,223,578	557,725	939,375	6,311,594
Coverage Rate					
Northeast	95.6	48.5*	52.2	82.2	59.2
Mid-Atlantic	99.0	47.4	53.8	83.5	59.1
Southeast	96.1	40.1*	51.9	80.1	53.9*
Midwest	100.0*	42.6	53.0	83.1	56.7
Southwest	96.5	39.7*	48.5	92.7*	54.6*
Mountain Plains	90.5	42.2	48.7	75.5*	53.6*
Western	99.7	55.1*	57.0*	88.0	65.0*
Total	98.4	44.8	52.3	84.7	57.4

Note: On October 1, 2019, the FNS Regions were realigned. The regional estimates presented in this table reflect the realigned FNS Regions. The estimated coverage rate exceeded 100 percent for infants in the Midwest Region. However, the lower bound of the 95-percent confidence interval for these rates is below 100 percent. See chapter 6 in volume I for more information on measures of statistical uncertainty for the eligibility estimates. Regional eligibility estimates and participant data include individuals in Indian Tribal Organizations who were eligible for WIC and/or receiving WIC. Estimates for Puerto Rico are included in the Mid-Atlantic regional totals. As a result, the Mid-Atlantic regional coverage rates were excluded from significance testing. When Puerto Rico was excluded from the Mid-Atlantic Region, the regional coverage rates were not statistically different from the national coverage rates at a 95-percent confidence level.

CY = calendar year; FNS = Food and Nutrition Service

* indicates a statistically significant difference between the regional coverage rate and the national coverage rate at the 95-percent confidence level

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.a, n.d.b; unpublished internal WIC administrative data

Table F.9. WIC Coverage Rates by Participant Category and Race and Hispanic Ethnicity With Margins of Error for 95-Percent Confidence Intervals: CY 2019

Participant Category	Hispanic/Latino		White-Only, Not Hispanic		Black-Only, Not Hispanic		Two or More Races or Other Race, Not Hispanic		Total	
	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE	Rate	MOE
Infants	†	–	77.2	8.6	†	–	†	–	98.5	6.3
Children	55.2	2.1	33.9	1.6	45.1	2.8	47.6	4.8	44.8	1.2
Pregnant women	58.3	5.5	47.3	5.3	53.6	8.5	47.8	12.4	52.4	3.3
Postpartum women	95.4	9.1	70.1	7.8	96.5	15.3	80.7	20.9	84.8	5.4
Total	67.3	2.7	45.5	2.3	61.6	4.4	59.8	6.5	57.4	1.6

Note: Estimates for U.S. territories other than Puerto Rico are not included in the calculation of the coverage rates in this table because information on race and ethnicity was not available for the other U.S. territories in the data. The statistical significance testing was conducted based on the CPS-ASEC data, which included data only for States. It did not include data for Puerto Rico or the other U.S. territories served by WIC.

CPS-ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year

† indicates an unreliable coverage rate over 100 percent with the lower bound of a 95-percent confidence interval above 100 percent

– denotes blank cells

Sources: IPUMS-USA, n.d.; Kline et al., 2020; U.S. Census Bureau, n.d.a; unpublished internal WIC administrative data