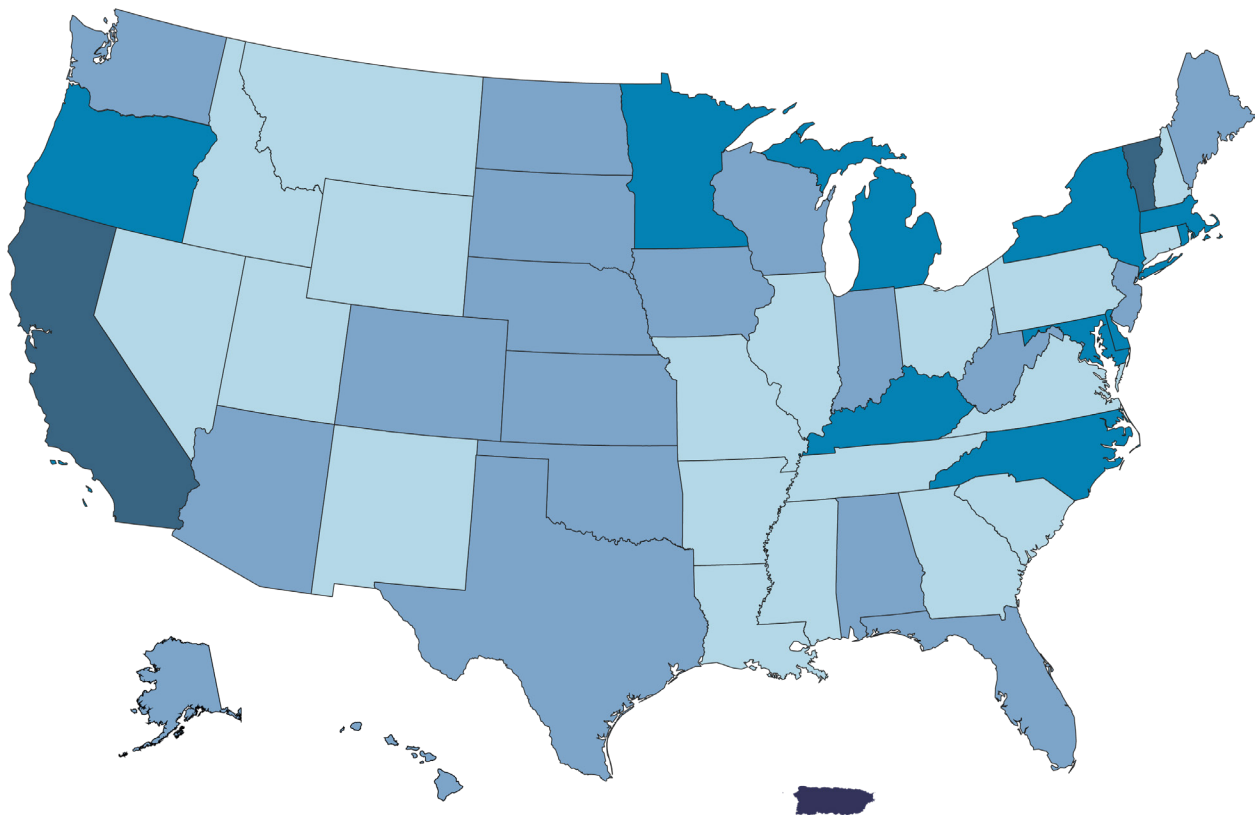![USDA logo] **U.S. DEPARTMENT OF AGRICULTURE**

Appendices: National- and State-Level Estimates of WIC Eligibility and WIC Program Reach in 2023

Final Report, Volume II

Appendices: National- and State-Level Estimates of WIC Eligibility and WIC Program Reach in 2023

Final Report, Volume II

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Appendix A

Improvements to the WIC Eligibility Estimates: Calendar Year 2023

This appendix describes two improvements to the methodology used to estimate WIC eligibility in 2023. The project team made the following improvements to the 2023 estimation methodology:

> **Enhancement 1:** Estimate calendar year (CY) 2023 coverage rates for Asian, non-Hispanic and Native Hawaiian/Pacific Islander, non-Hispanic individuals.

> **Enhancement 2:** Estimate historical coverage rates for the American Indian/Alaska Native, non-Hispanic; Asian, non-Hispanic; and Native Hawaiian/Pacific Islander, non-Hispanic race and ethnicity categories through CY 2016.

The approaches to these enhancements were developed through biweekly meetings with the Food and Nutrition Service (FNS) and informed by meetings with three technical experts: Gwynne Evans-Lomayesva (Snow Clan, Hopi Tribal Nation; University of Pennsylvania), Carolyn Liebler (University of Minnesota), and Melinda Newport (former Chickasaw Nation WIC director).

A. Enhancement 1: Estimate Asian, non-Hispanic and Native Hawaiian/Pacific Islander, non-Hispanic Coverage Rates

The WIC eligibility reports historically provide WIC coverage rates by four race and ethnicity categories: (1) Hispanic/Latino; (2) White-only, non-Hispanic; (3) Black-only, non-Hispanic; and (4) two or more races or other race, non-Hispanic. The 2022 report (Kessler et al., 2024) expanded these categories to include an American Indian/Alaska Native, non-Hispanic category as a subset of the two or more races or other race, non-Hispanic category, including non-Hispanic individuals who identified as only American Indian/Alaska Native or two or more races, including American Indian/Alaska Native. Thus, the category could be considered any American

Indian/Alaska Native, non-Hispanic. FNS and the project team selected this grouping after examining the number of American Indian/Alaska Native individuals included in the 2023 Annual Social and Economic Supplement of the Current Population Survey (CPS ASEC) and identifying clear differences in how the FNS administrative data and the national survey data reported race and ethnicity, leading to improbable coverage rates.[1]

Although the project team did not anticipate similar measurement issues for coverage rates for Asian and Native Hawaiian/Pacific Islander individuals, the team had concerns about potential sample size limitations, especially for the Native Hawaiian/Pacific Islander group. The project team identified two approaches for defining the two new race and ethnicity categories. Both approaches restricted the new category to non-Hispanic individuals to preserve the Hispanic category currently used in the report. The two approaches were as follows:

> **Option 1: Produce estimates for Asian, non-Hispanic and Native Hawaiian/Pacific Islander, non-Hispanic categories.** Both categories include individuals who identify as only Asian or only Native Hawaiian/Pacific Islander and multiracial individuals. These groups would be subsets of the current two or more races or other race, non-Hispanic category, aligning with how American Indian/Alaska Native, non-Hispanic race and ethnicity are presented in the report. Importantly, these new categories would not be mutually exclusive.

> **Option 2: Produce estimates for Asian-only, non-Hispanic and Native Hawaiian/Pacific Islander-only, non-Hispanic categories.** This approach changes the composition of the two or more races or other race, non-Hispanic category, which would include only non-Hispanic individuals who identify as two or more races and American Indian/Alaska Native-only, non-Hispanic individuals.

After a preliminary review of the findings, FNS and the project team opted to develop estimates using option 1. The remainder of this appendix details the method and findings for option 1.

1. Method

The new coverage rate estimation methods employ the existing eligibility estimation procedures. The CPS ASEC (U.S. Census Bureau, n.d.-a) captures income and participation in programs conferring adjunctive income eligibility for CY 2023, and it served as the main data source for estimating the number of individuals eligible for WIC (the coverage rate denominator). Using the original racial and ethnic identities reported in the CPS ASEC (variable PRDTRACE; U.S. Census Bureau, n.d.-a), the project team appended variables to identify individuals who reported Asian or Native Hawaiian/Pacific Islander race.

The study team applies adjustment factors to the population determined as income- or adjunctively income-eligible from the CPS ASEC to better reflect the WIC population (e.g., breastfeeding practices, adjusting for multiple births and infant and fetal deaths). For the new race and ethnicity categories, the project team applied the same adjustment factors and weights as those used in the current estimation methodology. For adjustment factors that are typically

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[1] See appendix A of Kessler et al. (2024) for more details about the measurement issues.

stratified by race and ethnicity, the project team used the adjustment factors produced for the two or more races or other race, non-Hispanic category because of anticipated challenges gathering data for the more detailed race and ethnicity categories.[2,3]

For the coverage rate numerator (WIC participants), the project team stratified FNS administrative data (FNS, 2024) reporting participation by quarter (averaged to estimate an annual unduplicated count) and participant category by the new race and ethnicity categories using participant data collected for the WIC Participant and Program Characteristics 2022 (WIC PC) report (Zvavitch et al., 2024). WIC PC data provide information on race and ethnicity that is not available in the FNS administrative data.

In addition to the new coverage rate estimates, the project team produced Wald 95 percent confidence intervals for each coverage rate. These confidence intervals provide a measure of precision for the estimates and can help identify potential concerns with presenting and interpreting findings. For the 2022 WIC Eligibility Report, the project team presented all point estimates unless the 95 percent confidence interval had a lower bound below 0 percent and an upper bound above 100 percent. The project team examined whether confidence intervals for each coverage rate met this criterion.

2. Findings

Population Estimates: CPS ASEC

To determine population estimates, the project team first tabulated the number of individuals represented by the CPS ASEC by race and ethnicity categories. These findings do not capture individuals who live in the U.S. territories that administer WIC. Table A.1 stratifies the population by all race and ethnicity categories presented in the report, including the new Asian, non-Hispanic and Native Hawaiian/Pacific Islander, non-Hispanic categories as subsets of the two or more races or other race, non-Hispanic category. The new categories include multiracial individuals who identified as Asian or Native Hawaiian/Pacific Islander. The population is further stratified by infants, children up to age 5, and women of reproductive age (i.e., between ages 15 and 45).

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[2] The Centers for Disease Control and Prevention could not provide breastfeeding information from the National Immunization Survey for American Indian/Alaska Native individuals.
[3] The development of more specific adjustment factors could be considered for future estimates.

Table A.1. Population estimates from the 2024 CPS ASEC by race and ethnicity

Race and Hispanic ethnicity	Total	Infants	Children	Women
Total	**84,390,973**	**3,487,959**	**14,977,140**	**65,925,874**
Hispanic	19,766,941	952,844	4,080,034	14,734,063
Black-only, not Hispanic	11,947,739	413,267	2,303,625	9,230,847
White-only, not Hispanic	43,190,968	1,675,790	6,835,849	34,679,329
Two or more races or other race, not Hispanic[a]	9,485,325	446,057	1,757,633	7,281,636
American Indian/Alaska Native, not Hispanic	1,268,137	63,898	190,135	1,014,104
Asian, not Hispanic	6,624,866	278,279	1,145,262	5,201,326
Native Hawaiian/Pacific Islander, not Hispanic	467,023	22,224	77,488	367,311

CPS ASEC = Annual Social and Economic Supplement of the Current Population Survey

[a] Non-Hispanic individuals who self-identified as two or more races or Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

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

The total population size for Native Hawaiian/Pacific Islander, non-Hispanic individuals is relatively small, even without considering WIC eligibility criteria or participant categories. As expected, this finding is particularly striking for infants (this category includes individuals only in a single year of life; both children and women include multiple years). Even at its largest grouping (total infants, children, and women, including multiracial individuals), fewer than half a million individuals identify as Native Hawaiian/Pacific Islander, non-Hispanic.

New Coverage Rates for 2023

The project team next estimated WIC coverage rates by race and ethnicity. Table A.2 includes coverage rates and Wald 95 percent confidence intervals for total individuals eligible for WIC. The project team opted not to stratify by participant category because of sample size concerns identified in tables 1 and 2. These estimates are also presented in tables 3.1 and B.6.

Table A.2. CY 2023 coverage rates and 95 percent confidence intervals by race and ethnicity

	Number eligible	Number participating	Coverage rate (%)	CI lower bound (%)	CI upper bound (%)
Total	11,829,215	6,631,309	56.1	54.5	57.6
Hispanic/Latino	4,341,509	2,865,239	66.0	63.5	68.5
Black-only, not Hispanic	2,477,494	1,308,652	52.8	49.5	56.2
White-only, not Hispanic	3,742,399	1,840,027	49.2	46.3	52.0
Two or more races or other race, not Hispanic[a]	1,238,566	602,318	48.6	43.4	53.9
American Indian/Alaska Native, not Hispanic	241,653	112,539	46.6	34.7	58.5
Asian, not Hispanic	618,958	285,804	46.2	38.8	53.6
Native Hawaiian/Pacific Islander, not Hispanic	74,125	46,583	62.8	29.7	96.0

CI = confidence interval; CY = calendar year
[a] Non-Hispanic individuals who self-identified as two or more races or Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

The coverage rate for **Asian, non-Hispanic individuals** is lower than the coverage rates for all other race and ethnicity categories. At about 46 percent, the coverage rate for this subset of the two or more races or other race, non-Hispanic category is 2 percentage points lower than the coverage rate for the overall two or more races or other race, non-Hispanic category. The 95 percent confidence interval spans about 15 percentage points, indicating less precision (as expected) than the larger two or more races or other race, non-Hispanic category.

The coverage rate for **Native Hawaiian/Pacific Islander, non-Hispanic individuals** is quite high at about 63 percent, only 3 percentage points below the highest coverage rate (for Hispanic individuals, at 66 percent). However, the 95 percent confidence interval for Native Hawaiian/Pacific Islander, non-Hispanic individuals is wide, representing about 66 percentage points.

B. Enhancement 2: Estimate Historical Coverage Rates for New Race and Ethnicity Categories

Under the second enhancement for the 2023 WIC Eligibility Report, the project team developed historical coverage rates for American Indian/Alaska Native, non-Hispanic individuals for CY 2016–2021. The project team also developed historical coverage rates for the new Asian and Native Hawaiian/Pacific Islander categories for CY 2016–2022.

As section A describes, the 2022 WIC Eligibility Report included the first coverage rate for American Indian/Alaska Native, non-Hispanic individuals, although it included estimates only for CY 2022. The project team explored methods of producing historical coverage rates back through

CY 2016, the first year of data presented in the current report.[4] Although producing this coverage rate for many years should have been straightforward, the COVID-19 pandemic affected the 2020 and 2021 CPS ASEC data collection efforts and complicated the computation of the CY 2019 and CY 2020 coverage rates and their standard errors. During these years, the surveys experienced a substantial increase in the nonresponse rate (Farson Gray et al., 2022, chapter 6; Rothbaum & Bee, 2021). To address the potential impact of the nonresponse rate, the U.S. Census Bureau released alternative sets of weights created using additional nonresponse weighting procedures for the 2020 and 2021 CPS ASEC microdata file (which inform, respectively, the CY 2019 and CY 2020 estimates). The alternative weights used a process known as entropy balancing to adjust for nonrandom nonresponse in the March 2020 survey (Rothbaum & Bee, 2021). The project team used this approach to ensure the correct weights were applied for the new race and ethnicity categories.

1. Methods

To produce all historical estimates, the project team started with the population estimated for that year, incorporating relevant CPS ASEC data and adjustment factors. For the historical coverage rates for CY 2016–2018 and CY 2021–2022, the same general approach outlined in section A was applied to data from prior years. For CY 2019 and CY 2020, the project team applied the methods described in chapter 6 of the 2019 WIC Eligibility Report. As part of that year's report, the authors computed national-level standard error estimates using bootstrap variance estimates for a set of survey items using the entropy balance weights under the assumption of a simple random sample. They then computed estimated design effects using the original March 2020 supplement weights and the original CPS ASEC replicate weights for each year. The design effects for survey items were specific to race and ethnicity and age for the WIC-eligible and total population. The design effects incorporated the four race and ethnicity groups used in that report. For this year's enhancements, the project team revisited the design effects to ensure they allowed us to produce coverage rates for the American Indian/Alaska Native, non-Hispanic; Asian, non-Hispanic; and Native Hawaiian/Pacific Islander, non-Hispanic categories. To preserve the original findings, the project team opted to use the design effects and weights as they were originally applied. Each record in the file was appended with the detailed race (using PRDTRACE), and the project team retabulated the eligible population using the new race and ethnicity categories. Standard errors and confidence intervals were produced using the same methods described in chapter 6 of the 2019 WIC Eligibility Report (additional detail provided in appendix A of the 2022 WIC Eligibility Report).

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[4] The 2020 WIC Eligibility Estimates project made significant updates to the estimation methodology, which were applied back to 2016. Years before 2016 have not been included in subsequent reports because the methodologies are not consistent and changes in trends would not clearly indicate an actual change instead of a change because of the shift in methodology.

2. Findings

The project team produced estimates for all new race and ethnicity categories for all historical years (2016–2022) in addition to the current year (2023). Table A.3 includes coverage rates and confidence intervals for the new categories. Across the years, coverage rate estimations fluctuate for all new categories, with the largest changes in the American Indian/Alaska Native, non-Hispanic and Native Hawaiian/Pacific Islander, non-Hispanic categories. These categories also showed the widest confidence intervals (indicating lower precision), which results from the smaller sample sizes observed in these categories (figure A.1 depicts the confidence intervals). Results should be interpreted with caution.

Table A.3. Historical coverage rates and Wald 95 percent confidence intervals (percentages) for detailed race and ethnicity categories, CY 2016–2023

Year	Two or more races or other race, not Hispanic[a]			American Indian/Alaska Native, not Hispanic			Asian, not Hispanic			Native Hawaiian/Pacific Islander, not Hispanic		
	Coverage rate	CI lower bound	CI upper bound	Coverage rate	CI lower bound	CI upper bound	Coverage rate	CI lower bound	CI upper bound	Coverage rate	CI lower bound	CI upper bound
2016	49.1	45.1	53.2	50.0	37.9	62.2	47.3	41.6	53.0	57.4	36.1	78.6
2017	53.6	49.7	57.6	55.8	43.9	67.7	50.8	45.0	56.6	68.7	35.6	101.7
2018	51.6	47.1	56.1	46.8	36.3	57.3	51.8	44.3	59.3	52.5	28.0	77.0
2019	49.8	49.4	50.1	69.0	44.3	93.7	49.9	48.7	51.1	62.8	37.4	88.2
2020	47.4	47.1	47.7	47.0	33.8	60.1	45.7	43.3	48.1	58.5	37.4	79.6
2021	55.7	49.3	62.0	61.0	45.3	76.8	49.0	40.0	58.1	94.4	60.9	128.0
2022	52.6	46.7	58.5	59.4	42.6	76.2	53.3	44.3	62.3	48.1	29.1	67.1
2023	48.6	43.4	53.9	46.6	34.7	58.5	46.2	38.8	53.6	62.8	29.7	96.0

CI = confidence interval; CY = calendar year

[a] Non-Hispanic individuals who self-identified as two or more races or Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a ; Zvavitch et al., 2024

Figure A.1. Trends in WIC coverage rates by race and ethnicity: CY 2016–CY 2023
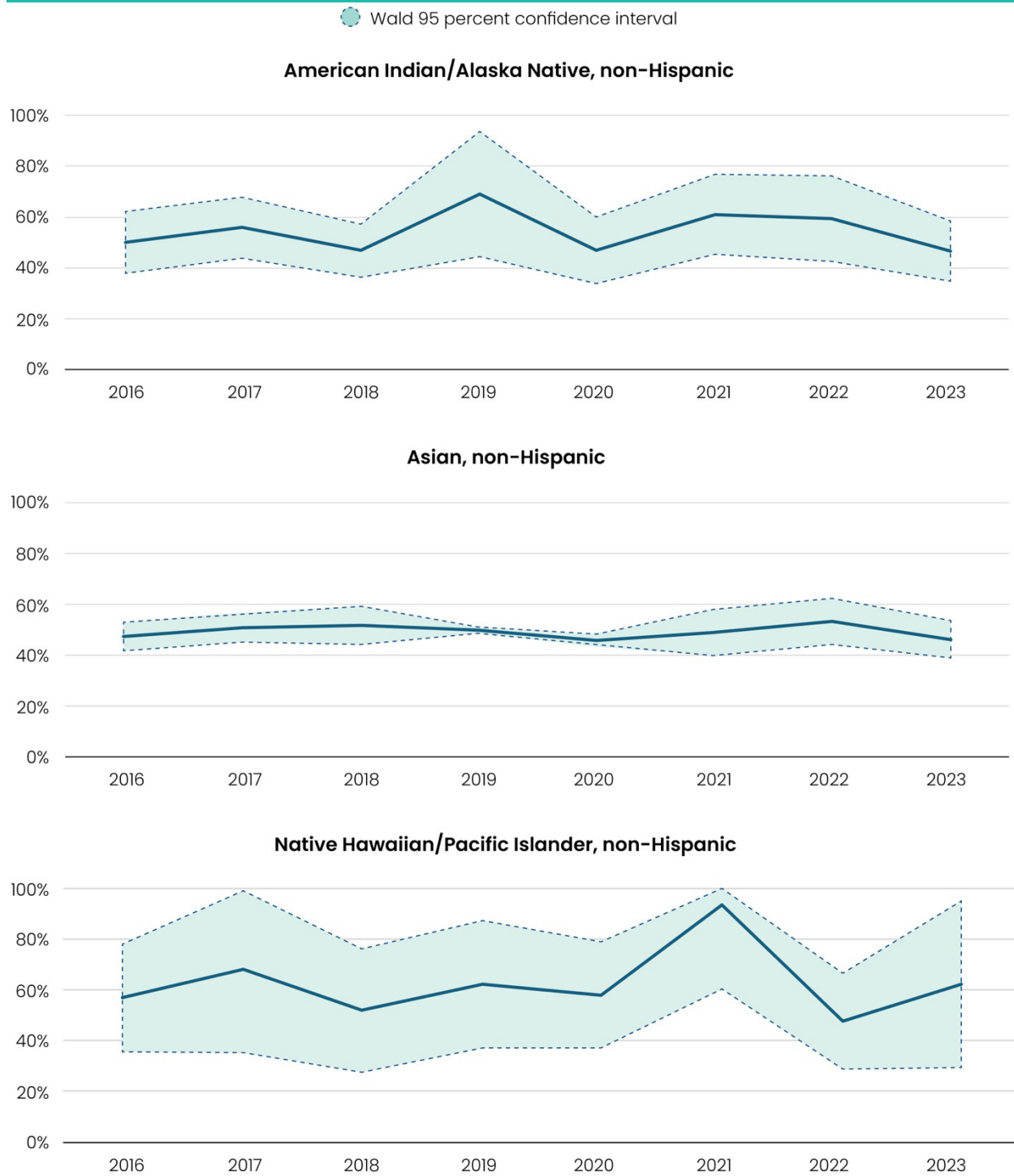
⬤ Wald 95 percent confidence interval

American Indian/Alaska Native, non-Hispanic

Asian, non-Hispanic

Native Hawaiian/Pacific Islander, non-Hispanic

CY = calendar year
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a ; Zvavitch et al., 2024

Appendix B

Measures of Precision for the Estimates of Eligibility

Data from several large-scale, complex, nationally representative surveys, including the Current Population Survey Annual Social and Economic Supplement (CPS ASEC; U.S. Census Bureau, n.d.-a), the American Community Survey (ACS; IPUMS-USA, n.d.), and the Puerto Rico Community Survey (PRCS; IPUMS-USA, n.d.) contributed to coverage and participation estimates in this report. Several sources of error can cause sample estimates to differ from the true population values. These sources of error are commonly classified into two major categories: sampling errors and nonsampling errors.

To compensate for sampling errors, weights were constructed and prepared following data collection to inflate the respondents' data to represent the entire universe. To measure sampling errors, standard errors were produced for the 2023 national-, regional-, and State-level estimates of eligibility for WIC.[5]

Nonsampling errors occur in cases with a complete enumeration of a target population. Sources of error include unusable responses to vague or sensitive questions (e.g., whether an individual fully reports the kinds of benefits received); nonresponses; and errors in coding, scoring, and processing data. Nonresponse to the survey is one of the most common sources of nonsampling error because a characteristic being estimated may differ, on average, between respondents and nonrespondents. Systematic errors are reduced by the survey methodology used, including careful wording of questionnaire items and well-designed procedures for data collection and data management. However, no formulas can assess these types of nonsampling errors. Additional sources of error could include mismatches between concepts used for eligibility and those used for participation information, such as slight differences in definitions of WIC units or types of income.

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[5] Estimates of WIC eligibility for U.S. territories other than Puerto Rico are based on population data from the IDB, not on samples. These estimates are not subject to sampling variability.

Coverage rates for certain subgroups with minimal coverage in the national surveys (e.g., race/ethnicity stratifications in small States with homogenous populations) sometimes exhibit coverage rate point estimates over 100 percent. In theory, coverage rates should fall between 0 and 100; in reality, a coverage rate over 100 would be possible if States enrolled more WIC participants than were truly eligible for the program. The third National Survey of WIC Participants indicates the WIC case error rate is 2 percent (Magness et al., 2021), suggesting a low likelihood of a true coverage rate above 100 percent. To increase sample size and improve the precision of estimates for subgroups, the project team pooled 2 years of ACS data. This approach reduces the number of coverage rates over 100 percent. Any subgroups with coverage rate estimates over 100, even after pooling, are suppressed from the report.

To assist with interpreting results, some tables in this report include one of two measures of precision. Some tables include **coefficients of variation** (U.S. Census Bureau, 2020, chapter 7) as a concise measure of precision; others include **Wald 95 percent confidence interval bounds** to provide more information about where the coverage rate estimations are most likely to fall.

This appendix includes four sections:

> Section A presents the standard errors and coefficients of variation for the national-level estimates.

> Section B presents the standard errors and coefficients of variation for the regional- and State-level estimates presented in this report. The standard errors for the regional- and State-level estimates were derived using the replicate weight methodology described in appendix E of Trippe et al. (2019).

> Section C presents the Wald 95 percent confidence intervals for national- and State-level estimates.

> Section D presents the methodology for conducting tests of statistical significance in the tables and figures presented in this report.

A. Standard Errors and Coefficients of Variation for National-Level Estimates

Table B.1 presents the national-level estimates of WIC eligibility by participant category and race and Hispanic ethnicity and the standard errors and coefficients of variation. The coefficient of variation is the ratio of the standard error to the eligibility estimate. Because the coefficient of variation is expressed in percentage terms, it facilitates easier comparison of precision across estimates providing a measure of the relative precision of the estimates. A coefficient of variation equal to 1 indicates the standard error is equal to the point estimate. The U.S. Census Bureau recommends that coefficients of variation over 30 percent be interpreted with caution (U.S. Census Bureau, 2023) because of the lack of precision in the estimate.

The coefficients of variation for the 2023 national eligibility estimates were higher for infants and postpartum women (both 3.9 percent) than pregnant women (1.1 percent) or children (1.5 percent), reflecting the larger sample sizes for pregnant women and children.

Table B.1. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by participant category and race and Hispanic ethnicity: CY 2023

Participant category	Hispanic/ Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
Number eligible					
Infants	681,979	326,289	577,598	206,257	1,792,124
Children	2,762,755	1,698,831	2,359,306	787,071	7,607,962
Pregnant women	395,842	217,851	379,959	94,737	1,088,389
Postpartum women	500,933	234,523	425,535	150,501	1,311,492
Total	**4,341,509**	**2,477,494**	**3,742,399**	**1,238,566**	**11,799,967**
Standard error					
Infants	33,770	35,048	41,750	27,286	69,105
Children	62,353	59,434	65,607	45,733	112,082
Pregnant women	6,230	4,985	7,398	3,266	11,488
Postpartum women	24,830	25,191	30,759	19,910	50,528
Total	**84,978**	**79,634**	**108,494**	**68,376**	**165,769**
Coefficient of variation (%)					
Infants	5.0	10.7	7.2	13.2	3.9
Children	2.3	3.5	2.8	5.8	1.5
Pregnant women	1.6	2.3	1.9	3.4	1.1
Postpartum women	5.0	10.7	7.2	13.2	3.9
Total	**2.0**	**3.2**	**2.9**	**5.5**	**1.4**

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. Estimates for U.S. territories other than Puerto Rico are not included in the totals.

[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

CY = calendar year

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

B. Standard Errors and Coefficients of Variation for Regional- and State-Level Estimates

Tables B.2 and B.3 present the standard errors and the coefficients of variation for the 2023 regional- and State-level estimates, respectively.

Table B.2. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by FNS Region and participant category: CY 2023

FNS Region	Infants	Children	Pregnant women	Postpartum women	Total
Number eligible					
Northeast	162,148	675,242	97,617	123,189	1,058,195
Mid-Atlantic	199,962	878,931	123,563	149,494	1,351,951
Southeast	406,260	1,742,117	252,525	289,441	2,690,342
Midwest	261,702	1,159,476	162,574	187,501	1,771,253
Southwest	370,897	1,495,818	221,876	260,983	2,349,574
Mountain Plains	92,982	404,410	56,641	69,330	623,362
Western	298,173	1,251,968	173,594	231,553	1,955,289
Total	**1,792,124**	**7,607,962**	**1,088,389**	**1,311,492**	**11,799,967**
Standard error					
Northeast	4,407	6,595	2,642	3,335	10,582
Mid-Atlantic	5,045	8,373	3,164	3,738	11,277
Southeast	6,231	10,174	3,835	4,473	12,920
Midwest	4,944	8,971	3,096	3,539	12,805
Southwest	4,573	9,121	2,750	3,239	12,009
Mountain Plains	2,909	6,061	1,752	2,168	7,632
Western	4,537	7,245	2,665	3,480	11,229
Total	**69,105**	**112,082**	**11,488**	**50,528**	**165,769**
Coefficient of variation (%)					
Northeast	2.7	1.0	2.7	2.7	1.0
Mid-Atlantic	2.5	1.0	2.6	2.5	0.8
Southeast	1.5	0.6	1.5	1.5	0.5
Midwest	1.9	0.8	1.9	1.9	0.7
Southwest	1.2	0.6	1.2	1.2	0.5
Mountain Plains	3.1	1.5	3.1	3.1	1.2
Western	1.5	0.6	1.5	1.5	0.6
Total	**3.9**	**1.5**	**1.1**	**3.9**	**1.4**

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. Estimates for U.S. territories other than Puerto Rico are not included in regional totals or standard errors.
CY = calendar year
Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a

The coefficients of variation for the estimated numbers of individuals eligible for WIC were higher at the State level than the national level (see table B.3). For States, the coefficient of variation ranged from 1.6 percent in California and Texas to 9.4 percent in Vermont. Estimates with relatively larger coefficients of variation should be interpreted with caution, especially for small States. At the regional level, the coverage rates were somewhat more precise than the State-level estimates, with coefficients of variation ranging from 1.5 in the Southeast, Southwest, and Western Regions to 1.9 in the Mountain Plains Region.

Table B.3. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by State and FNS Region: CY 2023

State/FNS Region	Number eligible	Standard error	Coefficient of variation (%)
State			
Alabama	217,424	4,868	2.2
Alaska	27,897	1,513	5.4
Arizona	251,856	4,337	1.7
Arkansas	137,464	3,913	2.8
California	1,342,261	10,977	0.8
Colorado	161,362	4,472	2.8
Connecticut	100,229	2,605	2.6
Delaware	33,370	2,034	6.1
District of Columbia	19,833	1,621	8.2
Florida	797,695	8,664	1.1
Georgia	452,426	6,095	1.3
Hawaii	44,888	2,195	4.9
Idaho	68,498	2,573	3.8
Illinois	374,310	6,527	1.7
Indiana	252,916	4,894	1.9
Iowa	106,440	3,605	3.4
Kansas	92,727	2,785	3.0
Kentucky	181,150	3,947	2.2
Louisiana	230,008	3,909	1.7
Maine	32,774	1,899	5.8
Maryland	198,551	4,333	2.2
Massachusetts	180,935	4,328	2.4
Michigan	325,382	5,611	1.7
Minnesota	159,569	5,196	3.3
Mississippi	140,088	3,281	2.3
Missouri	210,848	4,068	1.9
Montana	32,628	1,723	5.3
Nebraska	61,410	2,569	4.2
Nevada	112,145	3,131	2.8
New Hampshire	26,565	1,814	6.8
New Jersey	280,003	5,842	2.1
New Mexico	88,623	2,510	2.8
New York	675,156	7,733	1.1
North Carolina	408,500	5,658	1.4
North Dakota	20,382	1,625	8.0
Ohio	390,500	4,742	1.2
Oklahoma	182,481	4,189	2.3
Oregon	122,873	3,261	2.7

State/FNS Region	Number eligible	Standard error	Coefficient of variation (%)
Pennsylvania	399,427	6,440	1.6
Puerto Rico	103,225	1,992	1.9
Rhode Island	28,988	1,708	5.9
South Carolina	214,663	4,332	2.0
South Dakota	26,349	1,642	6.2
Tennessee	278,397	4,903	1.8
Texas	1,364,294	9,072	0.7
Utah	94,848	3,230	3.4
Vermont	13,548	1,253	9.2
Virginia	254,803	5,133	2.0
Washington	236,727	4,264	1.8
West Virginia	62,738	2,116	3.4
Wisconsin	162,136	4,331	2.7
Wyoming	17,656	1,267	7.2
FNS Region			
Northeast	1,058,195	10,582	1.0
Mid-Atlantic	1,351,951	11,277	0.8
Southeast	2,690,342	12,920	0.5
Midwest	1,771,253	12,805	0.7
Southwest	2,349,574	12,009	0.5
Mountain Plains	623,362	7,632	1.2
Western	1,955,289	11,229	0.6
Total	**11,799,967**	**165,769**	**1.4**

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. State and FNS Region estimates include individuals in ITOs who were eligible for WIC. Puerto Rico is included in the list of States. Estimates for U.S. territories other than Puerto Rico are not included in regional totals or standard errors.
CY = calendar year; FNS = Food and Nutrition Service; ITO = Indian Tribal Organization
Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a

The coefficients of variation for State-level coverage rates by participant category were generally larger than the coefficients observed for overall State-level coverage rates (see table B.4). The coefficients of variation for infant coverage rates ranged from 4.2 percent in Texas to 24.3 percent in Vermont. Similarly, the coefficients of variation were large for the estimated coverage rates by race and Hispanic ethnicity by State (see table B.5). For example, the coefficients of variation for White-only, non-Hispanic individuals ranged from 3.4 percent in New York to 25.5 percent in the District of Columbia. It is important to use caution when examining State coverage rates by participant category and race and ethnicity, especially for small States.

Table B.4. Coefficients of variation (percentages) of WIC coverage rates by State and participant category: CY 2023

State	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum women	Total
Alabama	6.6	2.2	5.0	4.8	5.0	4.2	6.7	6.6	2.2
Alaska	13.0	5.8	11.9	11.5	13.9	9.8	13.5	13.0	5.4
Arizona	3.8	2.0	5.0	4.3	4.5	4.3	4.0	3.8	1.7
Arkansas	7.0	2.6	6.7	5.7	6.2	6.1	7.2	7.0	2.8
California	2.1	0.7	1.6	1.9	1.8	1.6	2.1	2.1	0.8
Colorado	7.0	3.2	6.7	6.3	6.2	5.4	7.0	7.0	2.8
Connecticut	7.5	3.2	8.9	6.8	8.6	7.1	7.5	7.5	2.6
Delaware	17.2	5.4	16.1	15.2	11.4	12.7	17.4	17.2	6.1
District of Columbia	16.9	9.1	29.8	23.6	17.5	25.5	16.8	16.9	8.2
Florida	2.8	1.1	2.8	2.7	2.6	2.4	2.8	2.9	1.1
Georgia	4.0	1.3	3.8	3.5	3.4	3.5	4.0	4.0	1.3
Hawaii	10.9	4.8	10.4	10.4	10.1	8.9	11.0	10.9	4.9
Idaho	8.5	3.4	8.0	7.5	9.3	7.8	8.6	8.5	3.8
Illinois	4.1	1.5	3.7	4.0	3.9	3.9	4.1	4.1	1.7
Indiana	4.9	2.1	4.7	4.0	5.6	4.5	5.0	4.9	1.9
Iowa	6.2	3.7	9.1	8.3	6.2	6.9	6.3	6.2	3.4
Kansas	8.4	2.9	5.9	7.5	6.7	7.8	8.3	8.3	3.0
Kentucky	5.6	2.3	6.2	5.5	4.5	5.2	5.6	5.6	2.2
Louisiana	4.6	1.8	5.0	4.7	4.6	4.8	4.7	4.6	1.7
Maine	12.9	6.0	12.7	12.0	11.7	14.5	13.0	12.9	5.8
Maryland	5.1	2.6	6.9	5.0	5.2	5.9	5.1	5.1	2.2
Massachusetts	5.7	2.3	5.5	5.5	5.6	5.5	5.9	5.7	2.4
Michigan	5.3	1.8	4.3	4.1	4.1	4.1	5.3	5.3	1.7
Minnesota	5.8	3.4	7.5	8.0	6.1	5.8	6.0	5.8	3.3
Mississippi	6.2	2.4	6.5	7.5	6.0	6.7	6.3	6.2	2.3
Missouri	5.2	2.0	4.2	4.9	4.2	4.6	5.3	5.2	1.9
Montana	12.1	5.0	14.4	11.6	9.1	12.9	12.5	12.1	5.3
Nebraska	10.5	5.0	10.6	9.7	10.4	10.6	10.3	10.5	4.2
Nevada	6.9	3.0	7.1	6.1	7.3	7.1	6.9	6.9	2.8
New Hampshire	17.0	6.0	12.3	14.6	12.1	14.0	16.8	16.9	6.8
New Jersey	5.1	2.1	4.7	4.0	4.7	4.3	5.1	5.1	2.1
New Mexico	6.9	3.7	9.1	8.4	8.1	9.2	6.9	6.9	2.8

State	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum women	Total
New York	3.2	1.1	3.5	2.8	3.0	2.7	3.1	3.2	1.1
North Carolina	3.7	1.7	4.2	3.9	3.5	3.8	3.8	3.7	1.4
North Dakota	17.3	7.2	15.6	14.1	16.1	14.7	17.4	17.3	8.0
Ohio	3.6	1.4	3.5	4.1	4.0	2.9	3.7	3.6	1.2
Oklahoma	5.8	2.2	5.2	5.6	4.8	5.4	5.8	5.7	2.3
Oregon	5.6	2.5	†	6.6	6.4	5.6	5.7	5.6	2.7
Pennsylvania	4.7	1.5	4.7	3.5	3.6	4.4	4.8	4.7	1.6
Puerto Rico	5.9	2.1	†	4.8	6.3	6.9	5.9	5.9	1.9
Rhode Island	15.8	5.4	17.3	14.1	19.4	13.2	16.3	15.8	5.9
South Carolina	5.0	2.1	6.1	4.4	5.0	5.5	5.1	5.0	2.0
South Dakota	13.4	5.7	13.3	12.5	13.1	14.4	14.1	13.4	6.2
Tennessee	4.6	2.0	4.7	4.1	4.8	4.6	4.6	4.6	1.8
Texas	1.6	0.8	2.0	2.1	1.9	2.0	1.6	1.6	0.7
Utah	7.4	3.6	6.2	8.1	7.1	6.7	7.3	7.4	3.4
Vermont	23.9	7.4	†	13.3	18.2	15.2	24.4	24.0	9.2
Virginia	5.3	2.0	4.4	3.9	4.4	4.7	5.4	5.2	2.0
Washington	4.4	1.9	4.4	4.9	4.2	4.2	4.4	4.4	1.8
West Virginia	7.3	3.8	9.0	9.5	7.7	8.4	7.2	7.3	3.4
Wisconsin	6.6	2.9	7.5	6.6	5.3	5.4	6.7	6.6	2.7
Wyoming	14.7	7.9	15.9	14.5	16.7	16.3	14.4	14.7	7.2
Total	**3.9**	**1.5**	**3.2**	**3.2**	**3.2**	**3.0**	**1.1**	**3.9**	**1.4**

Note: The coefficient of variation is defined as the ratio of the standard error of the coverage rate to the point estimate of the coverage rate. Puerto Rico is included in the list of States. Estimates for U.S. territories other than Puerto Rico are not included in the totals.

CY = calendar year

† Indicates an unreliable coverage rate over 100 percent

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

Table B.5. Coefficients of variation (percentages) of WIC coverage rates by State and by race and Hispanic ethnicity: CY 2023

State	Hispanic/Latino	White-only, not Hispanic	Other than White-only, not Hispanic[a]	Total
Alabama	8.6	3.3	3.0	2.2
Alaska	25.2	10.8	7.3	5.4
Arizona	2.2	4.1	4.1	1.7
Arkansas	6.5	4.1	4.8	2.9
California	0.9	2.6	1.9	0.8
Colorado	3.5	4.6	5.2	2.8
Connecticut	3.7	6.0	6.6	2.6
Delaware	10.8	14.8	9.2	6.2
District of Columbia	†	25.1	7.8	8.2
Florida	1.5	2.3	1.7	1.1
Georgia	3.0	2.9	1.9	1.3
Hawaii	12.0	12.2	5.4	4.9
Idaho	6.6	4.7	14.2	3.7
Illinois	2.5	3.2	2.5	1.7
Indiana	4.8	2.6	3.1	1.9
Iowa	6.7	4.2	9.2	3.4
Kansas	6.1	3.9	6.5	3.0
Kentucky	8.5	2.3	5.0	2.2
Louisiana	5.0	3.5	2.4	1.7
Maine	30.4	6.6	16.8	5.8
Maryland	4.4	5.4	3.0	2.2
Massachusetts	3.4	4.6	4.5	2.4
Michigan	4.3	2.4	2.9	1.7
Minnesota	8.8	4.3	5.8	3.3
Mississippi	9.5	4.4	2.9	2.4
Missouri	7.0	2.5	4.0	1.9
Montana	16.8	6.2	11.4	5.3
Nebraska	9.5	5.3	8.3	4.1
Nevada	3.5	7.4	5.0	2.8
New Hampshire	16.5	7.9	21.1	6.9
New Jersey	2.5	4.1	3.8	2.1
New Mexico	3.1	8.1	6.5	2.8
New York	2.4	1.8	1.9	1.1
North Carolina	3.1	2.6	1.9	1.4
North Dakota	20.3	12.4	12.9	8.3
Ohio	5.1	2.0	2.5	1.2
Oklahoma	4.6	3.0	4.2	2.3

State	Hispanic/Latino	White-only, not Hispanic	Other than White-only, not Hispanic[a]	Total
Oregon	3.7	4.1	7.6	2.7
Pennsylvania	3.2	2.6	2.9	1.6
Rhode Island	5.6	13.1	15.1	5.9
South Carolina	6.3	3.9	2.4	2.0
South Dakota	11.6	10.8	9.2	6.3
Tennessee	4.9	2.5	3.1	1.8
Texas	0.9	2.3	1.6	0.7
Utah	5.7	4.8	10.5	3.4
Vermont	†	10.8	26.3	9.3
Virginia	3.8	3.2	2.7	2.0
Washington	2.9	2.8	4.0	1.8
West Virginia	19.9	3.6	9.9	3.4
Wisconsin	8.3	3.2	4.7	2.7
Wyoming	16.4	7.2	20.5	7.2
Total	2.0	2.9	2.5	1.4

Note: The coefficient of variation is defined as the ratio of the standard error of the coverage rate to the point estimate of the coverage rate. Estimates for U.S. territories other than Puerto Rico are not included in the totals.

CY = calendar year

† Indicates an unreliable coverage rate over 100 percent or a coverage rate where the lower bound of the 95 percent confidence interval is below 0 percent and the upper bound is over 100 percent

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

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

C. Confidence Intervals

Tables B.6 and B.7 present national coverage rates with Wald 95 percent conference intervals by participant characteristic and by participant category and race and Hispanic ethnicity. Table B.8 presents national participation rates by race and Hispanic ethnicity. Tables B.9 and B.10 present State-level coverage rates and participation rates with Wald 95 percent confidence intervals by participant category.

Table B.6. WIC coverage rate with confidence intervals (percentages) by participant characteristics: CY 2023

Characteristic	Coverage rate	Lower bound	Upper bound
Total	56.1	54.5	57.6
Participant category			
Infants	82.4	76.1	88.6
Children	47.9	46.6	49.3
1-year-old children	67.4	63.2	71.6
2-year-old children	52.5	49.2	55.7
3-year-old children	45.1	42.3	48.0
4-year-old children	26.9	25.3	28.4
Pregnant women	49.4	48.3	50.4
Postpartum women	72.9	67.4	78.4
Breastfeeding women	70.8	65.5	76.1
Non-breastfeeding women	76.7	70.8	82.6
Race and Hispanic ethnicity[a]			
Hispanic/Latino	66.0	63.5	68.5
Black-only, not Hispanic	52.8	49.5	56.2
White-only, not Hispanic	49.2	46.3	52.0
Two or more races or other race, not Hispanic[b]	48.6	43.4	53.9
American Indian/Alaska Native, not Hispanic[c]	46.6	34.7	58.5
Asian, not Hispanic	46.2	38.8	53.6
Native Hawaiian/Pacific Islander, non Hispanic	62.8	29.7	96.0
Urbanicity			
Metropolitan	61.5	59.3	63.8
Nonmetropolitan	24.1	21.3	27.0

Note: WIC administrative data on participating children by year of age were not available. The numbers of participating children by year of age in this table are based on the distribution among children enrolled in WIC according to WIC PC2022 data. In addition, data on coverage rates by urbanicity are based on WIC PC2022 data. Urbanicity is based on the CPS ASEC measure of metropolitan status, which uses Office of Management and Budget (2021) metropolitan designations and classifies residences as metropolitan or nonmetropolitan. The lower and upper bounds represent the Wald 95 percent confidence interval.

CPS ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year; WIC PC = WIC Participant and Program Characteristics

[a] Estimates for U.S. territories other than Puerto Rico are not included in the estimates of eligible individuals and program participants by race and ethnicity because information on race and ethnicity was not available for the other U.S. territories in the WIC PC2022 data.

[b] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

[c] The American Indian/Alaska Native, not Hispanic category includes non-Hispanic individuals who identified as American Indian/Alaska Native, including multiracial individuals. These individuals are also included in the two or more or other race, not Hispanic category.

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; Zvavitch et al., 2024

Table B.7. WIC coverage rates with confidence intervals (percentages) by participant category and by race and Hispanic ethnicity: CY 2023

Participant category	Hispanic/ Latino			Black-only, not Hispanic			White-only, not Hispanic			Two or more races or other race, not Hispanic[a]			Total		
	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound
Infants	90.1	81.3	98.9	99.4	78.2	120.5	69.3	59.3	79.3	66.4	48.8	84.1	82.4	76.1	88.6
Children	58.4	55.8	60.9	40.3	37.5	43.0	42.1	39.8	44.4	45.5	40.3	50.7	47.9	46.6	49.3
Pregnant women	57.7	55.9	59.5	46.8	44.7	48.9	44.7	43.0	46.4	38.9	36.3	41.5	49.4	48.3	50.4
Postpartum women	81.8	73.8	89.8	84.6	66.6	102.7	65.1	55.7	74.5	46.7	34.3	59.0	72.9	67.4	78.4
Breastfeeding women	84.5	76.2	92.7	78.2	61.6	94.9	58.4	49.9	66.8	47.5	34.9	60.0	70.8	65.5	76.1
Non-breastfeeding women	76.5	69.0	84.0	94.4	74.3	114.5	77.2	66.0	88.3	45.2	33.2	57.2	76.7	70.8	82.6
Total	**66.0**	**63.5**	**68.5**	**52.8**	**49.5**	**56.2**	**49.2**	**46.3**	**52.0**	**48.6**	**43.4**	**53.9**	**56.1**	**54.5**	**57.6**

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 lower and upper bounds represent the Wald 95 percent confidence interval. Rounding may lead some confidence intervals to appear asymmetrical.

CY = calendar year

[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table B.8. WIC participation rates with confidence intervals (percentages) by race and Hispanic ethnicity: CY 2023

Race and Hispanic ethnicity	Participation rate	Lower bound	Upper bound
Hispanic/Latino	41.8	41.5	42.1
Black-only, not Hispanic	37.3	35.9	38.7
White-only, not Hispanic	15.9	15.7	16.0
Two or more races or other race, not Hispanic[a]	20.4	19.5	21.3

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 lower and upper bounds represent the Wald 95 percent confidence interval.

CY = calendar year

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

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table B.9. WIC coverage rates with confidence intervals (percentages) by State and FNS Region and participant category: CY 2023

State/FNS Region	Infants			Children			Pregnant women			Postpartum women			Total		
	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound
State															
Alabama	89.0	77.4	100.7	40.6	38.8	42.3	54.6	47.4	61.7	63.8	55.5	72.1	51.4	49.1	53.6
Alaska	71.7	53.7	89.7	43.9	38.8	49.1	51.6	38.2	65.0	57.7	43.3	72.2	50.3	45.0	55.7
Arizona	84.4	78.1	90.8	53.5	51.4	55.6	44.1	40.6	47.5	71.0	65.7	76.4	59.5	57.5	61.5
Arkansas	79.1	68.2	90.1	34.9	33.1	36.6	48.0	41.1	54.8	60.1	51.7	68.4	45.7	43.1	48.2
California	87.4	83.8	90.9	68.5	67.5	69.5	64.5	61.8	67.1	80.4	77.1	83.6	72.4	71.3	73.6
Colorado	75.9	65.6	86.2	47.5	44.5	50.4	45.1	39.0	51.3	70.5	61.0	80.1	54.2	51.3	57.2
Connecticut	70.1	59.8	80.5	42.8	40.2	45.5	44.9	38.3	51.6	49.4	42.1	56.7	48.1	45.7	50.6
Delaware	93.8	60.2	127.4	53.3	47.7	58.9	56.4	36.0	76.7	71.0	45.6	96.4	61.5	54.1	68.9
District of Columbia	95.9	61.7	130.0	46.1	37.9	54.3	46.0	29.9	62.1	89.1	57.3	120.8	59.0	49.5	68.5
Florida	80.1	75.7	84.6	43.9	43.0	44.9	46.0	43.4	48.5	74.3	70.1	78.4	52.9	51.8	54.0
Georgia	84.0	77.4	90.5	37.2	36.3	38.2	48.8	45.0	52.7	60.6	55.9	65.3	47.7	46.5	49.0
Hawaii	76.5	59.8	93.2	51.8	46.9	56.7	51.3	40.0	62.5	65.4	51.1	79.7	57.3	51.8	62.8
Idaho	61.2	51.2	71.3	40.3	37.6	43.0	34.8	29.1	40.6	56.5	47.2	65.8	44.9	41.6	48.2
Illinois	80.3	73.9	86.6	34.1	33.1	35.1	44.1	40.6	47.7	59.1	54.4	63.7	44.3	42.8	45.8
Indiana	86.7	78.4	95.0	49.8	47.7	51.8	44.1	39.8	48.4	79.5	71.8	87.1	58.3	56.1	60.5
Iowa	80.7	70.9	90.6	47.8	44.3	51.3	42.5	37.1	47.8	65.7	57.7	73.7	54.3	50.7	58.0
Kansas	78.5	65.8	91.2	42.7	40.3	45.1	48.3	40.6	56.0	63.3	53.1	73.5	50.6	47.7	53.6
Kentucky	90.3	80.3	100.3	55.5	53.0	58.0	53.3	47.4	59.2	67.4	59.9	74.8	62.1	59.4	64.7
Louisiana	77.7	70.7	84.8	28.1	27.2	29.1	38.5	34.9	42.0	68.1	62.0	74.3	41.3	39.9	42.7
Maine	77.1	57.9	96.3	51.4	45.2	57.5	40.1	30.1	50.2	59.4	44.6	74.1	55.2	48.9	61.6
Maryland	91.1	82.0	100.1	52.0	49.3	54.7	57.2	51.5	62.9	75.4	68.0	82.9	61.2	58.6	63.8
Massachusetts	87.4	77.6	97.3	64.6	61.8	67.4	55.9	49.4	62.4	77.0	68.4	85.7	68.7	65.4	71.9
Michigan	93.2	83.4	103.0	55.5	53.5	57.5	57.6	51.6	63.6	69.4	62.1	76.7	62.6	60.5	64.7
Minnesota	95.0	84.1	106.0	58.7	54.7	62.7	55.6	49.0	62.2	81.6	72.3	91.0	66.2	62.0	70.5

State/FNS Region	Infants			Children			Pregnant women			Postpartum women			Total		
	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound
Mississippi	86.1	75.6	96.6	34.6	33.0	36.2	35.6	31.2	40.1	64.4	56.6	72.3	45.6	43.5	47.6
Missouri	77.4	69.4	85.3	32.1	30.8	33.4	43.8	39.2	48.4	61.4	55.1	67.7	43.0	41.4	44.6
Montana	69.2	52.9	85.5	36.0	32.5	39.6	43.5	32.8	54.1	53.7	41.1	66.4	42.9	38.5	47.3
Nebraska	77.8	61.8	93.8	55.2	49.8	60.6	43.8	35.0	52.6	71.8	57.1	86.5	59.6	54.8	64.4
Nevada	71.8	62.0	81.5	40.6	38.2	42.9	36.3	31.4	41.2	66.7	57.6	75.7	47.7	45.1	50.4
New Hampshire	59.1	38.7	79.5	49.3	43.4	55.1	34.4	22.7	46.1	50.8	33.3	68.3	49.5	42.8	56.2
New Jersey	82.9	74.7	91.1	51.0	48.9	53.2	46.2	41.6	50.8	79.4	71.5	87.2	58.3	56.0	60.7
New Mexico	73.7	63.8	83.5	33.8	31.3	36.3	43.1	37.3	48.9	63.5	55.0	72.0	43.9	41.5	46.4
New York	84.5	79.3	89.8	56.7	55.4	58.0	47.5	44.6	50.4	76.4	71.6	81.1	62.4	61.0	63.8
North Carolina	91.4	84.7	98.1	53.1	51.4	54.8	56.1	52.0	60.2	77.3	71.7	83.0	61.8	60.1	63.5
North Dakota	72.9	48.1	97.8	46.6	39.8	53.4	38.2	25.0	51.4	62.6	41.2	83.9	51.6	43.2	59.9
Ohio	74.1	68.9	79.4	36.6	35.6	37.6	35.0	32.5	37.5	68.5	63.7	73.4	45.5	44.4	46.6
Oklahoma	80.6	71.5	89.7	44.9	43.0	46.9	60.5	53.6	67.4	63.9	56.7	71.1	54.2	51.7	56.6
Oregon	76.4	68.0	84.9	60.4	57.4	63.3	49.7	44.1	55.3	70.1	62.4	77.9	63.1	59.8	66.4
Pennsylvania	67.5	61.3	73.6	36.7	35.6	37.8	34.6	31.4	37.8	61.0	55.4	66.5	43.7	42.3	45.0
Rhode Island	92.0	63.3	120.6	51.7	46.2	57.1	55.9	37.9	74.0	75.5	52.0	99.1	60.6	53.6	67.7
South Carolina	70.0	63.0	77.0	37.4	35.8	39.0	37.7	33.9	41.6	54.1	48.7	59.5	44.3	42.5	46.1
South Dakota	85.8	62.2	109.3	50.3	44.8	55.9	51.8	36.9	66.7	66.3	48.0	84.5	57.5	50.4	64.6
Tennessee	82.7	75.3	90.1	36.1	34.7	37.5	49.8	45.4	54.3	65.5	59.7	71.4	47.4	45.7	49.0
Texas	85.8	83.2	88.4	43.6	42.9	44.2	51.8	50.2	53.4	94.1	91.2	97.0	56.7	55.9	57.4
Utah	64.1	54.7	73.4	38.1	35.4	40.7	38.1	32.7	43.5	57.8	49.4	66.1	44.5	41.5	47.4
Vermont	99.4	50.2	148.7	74.9	64.0	85.8	64.1	31.6	96.6	96.7	48.8	144.6	79.6	65.1	94.2
Virginia	76.2	68.3	84.0	40.4	38.8	42.0	40.9	36.6	45.3	56.0	50.3	61.8	47.2	45.3	49.1
Washington	70.0	64.0	76.1	50.0	48.2	51.9	50.6	46.3	55.0	64.3	58.7	69.8	54.8	52.8	56.7
West Virginia	88.0	75.5	100.4	53.9	49.9	57.9	49.9	42.9	56.9	58.2	50.0	66.4	59.2	55.3	63.0
Wisconsin	83.5	72.7	94.4	48.5	45.7	51.2	47.7	41.4	54.1	76.8	66.8	86.7	56.0	53.1	59.0
Wyoming	59.7	42.8	76.6	38.8	32.8	44.8	33.6	24.2	42.9	52.7	37.8	67.6	43.4	37.3	49.6

State/FNS Region	Infants			Children			Pregnant women			Postpartum women			Total		
	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound
FNS Region															
Northeast	83.1	78.7	87.5	56.5	55.4	57.6	48.5	45.9	51.1	73.0	69.1	76.9	61.8	60.6	63.0
Mid-Atlantic	79.6	75.7	83.5	47.3	46.4	48.2	46.5	44.2	48.8	68.9	65.5	72.2	54.4	53.5	55.3
Southeast	83.6	81.1	86.2	42.8	42.4	43.3	48.3	46.9	49.8	68.1	66.0	70.2	52.2	51.7	52.7
Midwest	83.8	80.7	86.9	45.2	44.5	45.9	45.7	44.0	47.4	70.1	67.5	72.7	53.6	52.8	54.3
Southwest	82.8	80.8	84.7	42.1	41.6	42.6	49.2	48.0	50.4	82.1	80.1	84.1	53.6	53.1	54.2
Mountain Plains	76.5	71.7	81.2	41.5	40.3	42.7	44.6	41.9	47.3	64.8	60.8	68.8	49.6	48.4	50.8
Western	82.2	79.8	84.7	62.4	61.7	63.1	58.6	56.8	60.4	75.6	73.4	77.8	66.7	65.9	67.4
Total	**82.4**	**76.1**	**88.6**	**47.9**	**46.6**	**49.3**	**49.4**	**48.3**	**50.4**	**72.9**	**67.4**	**78.4**	**56.1**	**54.5**	**57.6**

Note: Estimates for the U.S. territories are included in the total and FNS Regions but are not shown separately because of small sample sizes. Estimates of State-level participation 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. State and FNS Region eligibility estimates and participant data include individuals in ITOs who were eligible for WIC. The lower and upper bounds represent the Wald 95 percent confidence interval. Confidence intervals for the total and Northeast and Western regional coverage rates are based on coverage rate estimates that exclude the U.S. territories other than Puerto Rico.

CY = calendar year; FNS = Food and Nutrition Service; ITO = Indian Tribal Organization

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; Zvavitch et al., 2024

Table B.10. WIC participation rates with confidence intervals (percentages) by State and FNS Region and participant category: CY 2023

State/FNS Region	Infants			Children			Pregnant women			Postpartum women			Total		
	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound
State															
Alabama	49.9	45.3	54.5	24.3	23.7	25.0	24.1	21.9	26.3	22.7	20.6	24.7	27.7	26.9	28.5
Alaska	34.3	27.3	41.4	24.4	22.8	26.0	18.1	14.3	21.8	20.6	16.4	24.9	24.6	22.7	26.5
Arizona	43.1	40.6	45.6	27.9	27.5	28.3	17.3	16.3	18.4	25.3	23.8	26.7	28.5	28.0	29.0
Arkansas	48.5	44.2	52.8	21.4	20.9	22.0	23.2	21.0	25.3	23.8	21.7	25.9	25.8	25.0	26.7
California	44.4	43.2	45.5	36.3	36.1	36.6	25.4	24.8	26.1	30.6	29.8	31.3	35.4	35.2	35.7
Colorado	30.3	28.2	32.5	20.4	20.0	20.8	14.1	13.2	15.1	20.5	19.0	21.9	21.2	20.8	21.6
Connecticut	32.5	29.9	35.1	19.0	18.5	19.5	16.1	14.8	17.4	15.7	14.5	17.0	20.1	19.7	20.5
Delaware	44.6	34.5	54.7	26.9	25.4	28.4	21.1	16.3	25.9	23.0	17.8	28.2	28.2	26.4	30.1
District of Columbia	40.1	33.7	46.6	18.4	17.2	19.5	15.1	12.6	17.5	25.3	21.2	29.3	22.2	21.3	23.1
Florida	44.3	42.5	46.0	25.1	24.9	25.4	19.9	19.1	20.6	26.7	25.6	27.7	27.5	27.2	27.9
Georgia	46.1	43.6	48.6	21.1	20.7	21.4	20.8	19.6	21.9	22.4	21.1	23.6	24.7	24.4	25.1
Hawaii	38.4	32.7	44.2	27.6	26.4	28.7	19.5	16.5	22.5	24.9	21.2	28.7	27.9	26.7	29.2
Idaho	29.2	26.3	32.1	19.7	19.2	20.2	13.3	12.0	14.6	19.4	17.5	21.2	20.3	19.7	21.0
Illinois	35.0	33.5	36.6	16.0	15.8	16.1	15.1	14.4	15.8	17.3	16.6	18.1	18.8	18.5	19.0
Indiana	43.7	41.0	46.4	25.0	24.5	25.4	17.6	16.5	18.7	26.6	25.0	28.3	27.1	26.6	27.6
Iowa	35.8	33.0	38.7	22.3	21.6	23.0	15.1	13.8	16.3	20.1	18.5	21.7	23.1	22.4	23.7
Kansas	30.9	28.0	33.9	19.0	18.5	19.6	14.9	13.4	16.3	17.8	16.1	19.6	20.1	19.5	20.7
Kentucky	50.0	46.1	53.9	30.8	30.1	31.5	23.5	21.7	25.4	24.4	22.5	26.3	31.8	31.0	32.5
Louisiana	51.4	47.7	55.1	17.9	17.6	18.2	19.9	18.4	21.3	28.3	26.3	30.3	24.5	23.9	25.0
Maine	33.5	27.8	39.1	21.9	21.0	22.8	14.1	11.7	16.5	18.3	15.2	21.4	22.1	20.9	23.3
Maryland	41.5	38.5	44.4	23.1	22.7	23.6	20.2	18.7	21.7	25.0	23.2	26.7	25.7	25.2	26.1
Massachusetts	35.3	33.1	37.6	28.5	28.0	29.0	17.6	16.4	18.8	22.0	20.6	23.4	27.3	26.7	27.8
Michigan	43.8	41.2	46.4	28.2	27.8	28.7	21.5	20.2	22.8	21.9	20.6	23.2	28.7	28.2	29.3
Minnesota	34.9	32.9	36.9	23.8	23.2	24.4	16.2	15.2	17.2	22.0	20.7	23.3	24.3	23.6	24.9

State/FNS Region	Infants			Children			Pregnant women			Postpartum women			Total		
	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound
Mississippi	53.8	48.7	58.9	21.8	21.2	22.3	17.5	15.8	19.2	25.2	22.8	27.6	26.3	25.4	27.1
Missouri	35.7	33.4	38.0	15.9	15.5	16.2	16.1	15.0	17.1	19.4	18.2	20.7	19.3	18.9	19.6
Montana	27.1	23.0	31.2	18.2	17.3	19.1	13.5	11.4	15.6	15.4	13.0	17.7	18.6	17.7	19.4
Nebraska	31.6	27.9	35.3	22.1	21.3	23.0	13.7	12.2	15.3	20.2	17.9	22.6	22.3	21.4	23.1
Nevada	38.7	34.6	42.8	22.0	21.4	22.5	15.1	13.4	16.7	23.8	21.2	26.3	23.9	23.1	24.6
New Hampshire	20.0	16.9	23.0	17.2	16.5	17.9	9.4	7.9	10.8	12.0	10.2	13.9	15.9	15.2	16.6
New Jersey	33.8	31.9	35.8	23.1	22.7	23.4	14.8	13.9	15.7	22.8	21.4	24.1	23.7	23.3	24.1
New Mexico	48.1	42.4	53.8	23.1	22.2	23.9	21.7	19.2	24.3	30.0	26.5	33.6	27.6	26.6	28.5
New York	43.0	41.2	44.9	30.1	29.8	30.5	18.9	18.1	19.7	28.2	27.0	29.4	30.5	30.1	30.8
North Carolina	47.7	45.3	50.1	29.0	28.6	29.4	22.9	21.7	24.0	27.7	26.4	29.1	30.8	30.3	31.3
North Dakota	23.6	20.3	27.0	16.3	15.5	17.1	9.7	8.3	11.0	13.8	11.9	15.8	16.2	15.4	17.1
Ohio	34.3	32.9	35.6	17.8	17.6	17.9	12.8	12.3	13.4	21.3	20.5	22.2	20.1	19.8	20.4
Oklahoma	50.9	47.0	54.8	27.9	27.2	28.7	29.4	27.1	31.7	26.0	24.0	28.0	31.1	30.3	32.0
Oregon	38.6	36.0	41.2	29.5	29.0	30.0	20.0	18.6	21.3	26.7	24.9	28.5	29.3	28.7	30.0
Pennsylvania	31.5	29.8	33.2	18.2	17.9	18.5	12.7	12.0	13.4	19.1	18.1	20.1	19.6	19.3	20.0
Rhode Island	39.9	33.9	45.9	23.8	22.7	24.8	19.1	16.1	22.0	23.9	20.3	27.5	25.6	24.5	26.6
South Carolina	40.9	38.0	43.7	21.6	21.1	22.0	17.3	16.1	18.5	21.6	20.1	23.1	23.8	23.3	24.3
South Dakota	30.1	25.6	34.7	19.6	18.4	20.8	13.8	11.7	15.9	15.6	13.2	18.0	19.9	18.9	20.9
Tennessee	41.2	38.8	43.6	20.0	19.6	20.4	19.7	18.5	20.8	23.5	22.1	24.8	23.6	23.1	24.0
Texas	48.7	47.5	49.8	24.5	24.3	24.6	22.8	22.2	23.3	35.0	34.2	35.8	29.4	29.2	29.6
Utah	21.4	19.7	23.0	12.7	12.5	12.9	9.9	9.2	10.7	13.1	12.1	14.1	13.7	13.4	14.0
Vermont	36.1	26.7	45.5	32.0	29.9	34.0	18.9	14.0	23.9	25.6	18.9	32.3	30.1	27.7	32.6
Virginia	29.1	27.4	30.8	17.7	17.4	18.0	12.3	11.6	13.1	16.2	15.3	17.2	18.5	18.2	18.9
Washington	32.1	30.3	33.9	23.6	23.3	24.0	18.1	17.1	19.1	20.5	19.4	21.7	23.8	23.4	24.2
West Virginia	48.1	41.4	54.8	31.2	30.0	32.4	22.2	19.1	25.3	24.3	20.9	27.6	31.6	30.2	32.9
Wisconsin	32.4	30.0	34.8	21.9	21.4	22.4	14.5	13.4	15.6	18.6	17.2	20.0	22.0	21.4	22.7
Wyoming	29.9	24.1	35.7	17.3	16.4	18.3	13.4	10.8	16.0	18.5	15.0	22.1	18.9	17.6	20.2

State/FNS Region	Infants			Children			Pregnant women			Postpartum women			Total		
	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound	Rate	Lower bound	Upper bound
FNS Region															
Northeast	39.1	37.9	40.4	27.8	27.5	28.0	17.8	17.3	18.4	24.6	23.9	25.4	27.8	27.6	28.1
Mid-Atlantic	36.1	35.0	37.2	22.8	22.6	23.0	16.7	16.2	17.2	22.1	21.4	22.8	23.9	23.7	24.1
Southeast	45.8	44.8	46.8	24.4	24.2	24.5	20.7	20.3	21.2	24.9	24.3	25.4	27.1	27.0	27.3
Midwest	37.3	36.5	38.1	21.4	21.3	21.6	16.1	15.7	16.4	21.0	20.6	21.5	23.0	22.9	23.2
Southwest	46.5	45.7	47.3	23.5	23.4	23.7	21.5	21.1	21.8	30.4	29.9	31.0	27.7	27.6	27.8
Mountain Plains	31.7	30.5	32.9	18.6	18.4	18.8	14.5	14.0	15.1	18.9	18.2	19.6	20.1	19.9	20.3
Western	41.2	40.4	42.0	32.4	32.3	32.6	22.8	22.4	23.3	27.9	27.4	28.4	32.0	31.8	32.1
Total	41.1	39.9	42.3	24.8	24.7	25.0	19.3	19.3	19.3	25.0	24.3	25.8	26.6	26.5	26.7

Note: Estimates for the U.S. territories are included in the total and FNS Regions but are not shown separately because of small sample sizes. Estimates of State-level participation 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. The lower and upper bounds represent the Wald 95 percent confidence interval. Confidence intervals for the total and Northeast and Western regional coverage rates are based on coverage rate estimates that exclude the U.S. territories other than Puerto Rico.

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; Zvavitch et al., 2024

D. Statistical Significance Testing for Report Tables and Figures

The tables and figures in this report present several types of statistical comparisons: racial and ethnic groups by participant category versus national estimates, State and FNS Region estimates versus national estimates, and 2023 estimates versus 2022 estimates. Statistical significance testing is conducted using z tests. This methodology proceeds with the following steps:

1. Calculate the difference between the two estimates being compared.

2. Calculate the standard error of the difference as the square root of the sum of the estimate variances minus two times the covariance of the two estimates.

3. Divide the step 1 difference by the step 2 standard error and calculate the p value of the result.

4. If the p value is less than .05, the difference is said to be statistically significant at the 95 percent confidence level.

Appendix C

Detailed Tables for National-Level WIC Eligibility Estimates CY: 2023

This appendix presents tables containing detailed information on the 2023 national-level estimates of WIC eligibility 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 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 2023. Unless otherwise indicated, all tables in this appendix provide information for individuals in the 50 States, the District of Columbia, and the U.S. territories served by WIC (American Samoa, Guam, Puerto Rico, the Commonwealth of the Northern Mariana Islands, and the Virgin Islands).[6] A description of each table follows.

Policy and National Events Influencing WIC Operations, Eligibility and Program Reach

Several external factors and WIC policy changes influenced WIC program operations in 2023. These changes may influence the estimates and trends presented in this report. For example—

- In February 2022, an infant formula recall led to a national formula shortage. Combined with supply chain issues, the formula shortage continued in 2023, leading to shifts in how infants were fed across the Nation (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.

- In FY 2023, Congress continued to fund an increase to the cash value benefit (CVB) that WIC participants use to purchase fruits and vegetables. Although the FY 2023 CVB levels were only modestly adjusted for inflation above the increased CVB funded in FY 2022, this rise may still have had continued impacts on participation extending into 2023.

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[6] Individuals living on Tribal lands and participating in WIC through Tribal Organizations are included within the FNS Region and geographic State associated with the individual Tribal Organization.

- The country continued to deal with challenges related to the COVID-19 public health emergency (PHE). Poverty remained relatively high, although some measures suggest a slight increase in family incomes. Medicaid and Supplemental Nutrition Assistance Program (SNAP) participation also continued at high levels, although these programs began "unwinding" COVID-19 regulations that temporarily increased enrollment. Some WIC clinics began shifting back to pre-COVID policies, while others continued to waive physical presence requirements and issued benefits electronically in an effort to modernize the program. The impact of WIC waivers may have varied across State agencies with different policies. For example, some State agencies used offline electronic benefit transfer (EBT) technology that did not allow for remote benefit issuance while others had online systems that allowed them to issue benefits remotely.

Table C.1. Steps, data sources, methods, and adjustment factors used for estimates of WIC eligibility: CY 2023

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 2023 estimates: (1) 2024 CPS ASEC data (U.S. Census Bureau, n.d.-a); (2) 2022 and 2023 ACS and PRCS data (IPUMS-USA, n.d.); (3) U.S. Census Bureau International Database (IDB) data (U.S. Census Bureau, n.d.-b); and (4) National Vital Statistics data (National Center for Health Statistics, n.d.).

Table C.2. Estimated average monthly number of individuals eligible for WIC by participant category: CY 2023

This table shows the estimated average monthly number of individuals eligible for WIC by participant category in 2023 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, defined as the percentage of the total population in each participant category estimated to be eligible for WIC.

Table C.3a1. Vital Statistics estimates and CPS ASEC estimates for infants and children by year of age and sex: March 2024

This table shows the Vital Statistics population estimates and CPS ASEC weighted population figures by year of age and sex and the ratio of Vital Statistics estimates to CPS ASEC figures (National Center for Health Statistics, n.d.).

Table C.3a2. Effects of applying population adjustment factors to population counts for infants and children in the CPS ASEC by year of age and sex: March 2024

This table shows the results of applying the population adjustment factors (computed based on the information in table C.3a1) to the weights for infants and children in the March CPS ASEC data (U.S. Census Bureau, n.d.-a).

Table C.3b1. Four-year accumulations of U.S. Census Bureau estimates and CPS ASEC estimates for pregnant women by year of age and race and Hispanic ethnicity: March 2021–March 2024

This table shows the adjustment of sampling weights for women of reproductive age in the CPS ASEC data. For each year of age (ages 15–44) and each of four race and ethnicity groups (Black-only, not Hispanic; White-only, not Hispanic; two or more races or other race, not Hispanic; and Hispanic/Latino), the table shows the U.S. Census Bureau population estimates for 2021–2024 (U.S. Census Bureau, 2024b); 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 2023 estimates, that ratio was used as the weight adjustment when the direction of the difference between the U.S. Census Bureau population estimate and the CPS ASEC weighted count (see table C.3b2) was the same as for the 4-year accumulations presented in table C.3b1 (i.e., if the U.S. 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 C.3b3 shows the final results of applying the population adjustment factors (computed based on the information in tables C.3b1 and C.3b2).

Table C.3b2. U.S. Census Bureau estimates and CPS ASEC estimates for pregnant women by year of age and race and Hispanic ethnicity: March 2024

This table shows the U.S. Census Bureau population estimates and CPS ASEC weighted population figures by year of age and race and Hispanic ethnicity and the ratio of the U.S. Census Bureau population estimates to CPS ASEC figures (U.S. Census Bureau, 2024b; see the description of table C.3b1 for an explanation of how this information was used in the weight adjustment process).

Table C.3b3. Effects of applying population adjustment factors to population counts for pregnant women in the CPS ASEC by year of age and race and Hispanic ethnicity: March 2024

This table shows the results of applying the population adjustment factors (computed based on the information in tables C.3b1 and C.3b2) to the weights for women of reproductive age in the March CPS ASEC data.

Table C.4. Breastfeeding adjustment factor calculations for postpartum women eligible for WIC: CY 2023

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 data from the Centers for Disease Control and Prevention—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 two adjustment factors. The first factor adjusts for the fact that the number of postpartum women can differ from the number of infants because of the

combined impact of multiple births and infant deaths. The second factor, breastfeeding cessation, is used to estimate average monthly breastfeeding rates; that is, the average monthly rate across the first 6 months is assumed to be equal to the mean of the ever-breastfed and 6-month rates multiplied by this factor. This factor, 0.87, is 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. Factors are shown for estimating breastfeeding and non-breastfeeding eligibility for each race and ethnicity group. For example, for Hispanic/Latino women in 2023, the estimated average monthly number of women eligible for WIC as breastfeeding mothers was computed as 0.4978 times the estimated number of Hispanic/Latino infants eligible for WIC.

Table C.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 2023

This table shows the step-by-step adjustments made from the total number of infants, children, and pregnant women to the final numbers of infants, children, and pregnant and postpartum women eligible for WIC in the United States in 2023; it also shows the total number eligible in the five U.S. territories WIC serves. See tables D.7a and D.7b for the step-by-step adjustments made to derive the total number of individuals eligible for WIC in Puerto Rico and the other four U.S. territories WIC serves, respectively.[7]

Tables C.6a and C.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 2023

These tables show the estimates of infants and children eligible for WIC by demographic and income characteristics in the March 2024 CPS ASEC. These tables do not include infants and children in the U.S. territories. Tables C.6a1 and C.6a2 show the characteristics of infants and children eligible for WIC in the data as determined by using unadjusted person weights, and tables C.6b1 and C.6b2 show these characteristics as determined by using weights that have been fully adjusted, including adjustments for the CPS ASEC undercount/overcount (population adjustment), monthly income and certification periods (annual-to-monthly adjustment), and nutritional risk. A comparison of table C.6a and table C.6b shows the impact of the CPS ASEC weight adjustments on the national estimates of infants and children eligible for WIC.

Results are also shown related to counts (see tables C.6a1 and C.6b1) and percentages (see tables C.6a2 and C.6b2). For example, C.6b1 shows that, with the adjusted weights, 872,533 male infants and 903,311 female infants were eligible for WIC in an average month in 2023; C.6b2 shows that, among infants eligible for WIC, 49.1 percent were male, and 50.9 percent were female.

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[7] Two tables are used because the primary data source used for the Puerto Rico estimates (i.e., the PRCS) differs from the primary data source used for American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the Virgin Islands (i.e., the IDB).

Table C.7. Changes in the total population, number of individuals eligible for WIC, and WIC eligibility rate by participant category: CY 2022–CY 2023

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 2022 and 2023.

Table C.8. Stepwise comparison of changes in average monthly numbers of infants and children eligible for WIC as estimated in the March CPS ASEC: CY 2022–CY 2023

This table shows the step-by-step percentage changes in the numbers of infants and children from 2022 to 2023 (excluding the U.S. territories). For example, it shows that the number of infants and children eligible for WIC through adjunctive income eligibility saw a 7-percent decrease between 2022 and 2023, while the number of infants and children who met income eligibility criteria increased by 6 percent in the same time period.

Table C.9. Standard errors and coefficients of variation for estimates by participant category: CY 2023

This table shows the standard error of the estimate and coefficient of variation 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 C.1. Steps, data sources, methods, and adjustment factors used for estimates of WIC eligibility: CY 2023

Step	Data source(s)	Methods and adjustment factors	
		Infants and children	
Categorical eligibility	■ 2024 CPS ASEC, national estimates ■ 2022 and 2023 ACS, State estimates ■ 2022 and 2023 PRCS, Puerto Rico estimates ■ 2023 IDB, other island territories estimates	Identify individuals aged 0, 1, 2, 3, and 4 in each survey.	

Weight adjustments	■ National estimates
	  – 2023 Vital Statistics and March CPS ASEC for 2024
	■ State and Puerto Rico estimates
	  – Postcensal population estimates from U.S. Census Bureau for July 2023
		Adjust sampling weights to account for undercount or overcount in CPS estimates relative to Vital Statistics estimates by year of age and sex.	

		Adjustment factors for females ■ Infants: 1.0316 ■ 1-year-old children: 0.9454 ■ 2-year-old children: 0.9930 ■ 3-year-old children: 1.0109 ■ 4-year-old children: 0.9498	**Adjustment factors for males** ■ Infants: 1.0192 ■ 1-year-old children: 0.9572 ■ 2-year-old children: 1.0033 ■ 3-year-old children: 1.0174 ■ 4-year-old children: 0.9379
Income eligibility	■ 2024 CPS ASEC, national estimates ■ 2022 and 2023 ACS, State estimates ■ 2022 and 2023 PRCS, Puerto Rico estimates ■ 2023 IDB, other island territories estimates ■ Blended 2022 and 2023 FPGs	Count as eligible if the prior year's annual income was ≤ 185 percent of the Federal Poverty Guidelines.	
Adjunctive income eligibility	■ 2024 CPS ASEC ■ 2022 and 2023 ACS ■ 2022 and 2023 PRCS	Add as eligible those infants and children in families who reported participating in Medicaid, SNAP, or TANF at any point during the prior calendar year. Use 2023 ACS to impute Medicaid and SNAP participation for those who do not report participating in either program to account for potential underreporting of program participation in CPS ASEC.	

Step	Data source(s)	Methods and adjustment factors
Adjustments for fluctuations in monthly income and certification periods	Average of factors from 2020, 2021, and 2022 Survey of Income and Program Participation panel	Adjust estimates to account for the impact of monthly fluctuations in income and program participation and for the impact of 6- and 12-month certification periods. ■ Infants adjustment factor (used for estimates from PRCS and IDB data): 1.0015 ■ Infants adjustment factors by race and ethnicity (used for estimates from CPS ASEC and ACS data): – White-only, not Hispanic: 1.0911 – All others: 1.0000 ■ Children adjustment factor assuming 12-month certification periods (used for estimates from PRCS and IDB data): 1.0000 ■ Children adjustment factors by race and ethnicity (used for estimates from CPS ASEC data): – White-only, not Hispanic: 1.0000 – All others: 1.0000
Adjustment for nutritional risk	CNSTAT panel; IOM report (2002); FNS guidance	Multiply infant and child estimates by the factor to account for otherwise eligible infants and children who might not be at nutritional risk. Estimates assume all infants and children were at nutritional risk. Adjustment factor for infants and children: 1.0000
Pregnant women		
Categorical eligibility	■ 2024 CPS ASEC, national estimates ■ 2022 and 2023 ACS, State estimates ■ 2022 and 2023 PRCS, Puerto Rico estimates ■ 2023 IDB, other island territories estimates ■ Average of 3 years of CDC National Vital Statistics data (i.e., 2021–2023 Births: Final Data, 2021–2023 Period Linked Birth/Infant Death Data Files, and 2019–2022 Fetal Death Data Files); Abortion Surveillance System (2020–2022); National Vital Statistics System mortality file (2021–2023)	National: Identify women of reproductive age (15–44) in the CPS ASEC, and apply adjustments proposed by the CDC (n.d.) to estimate the number of pregnant women based on births, multiple births, abortions, and fetal deaths accounting for an average duration of pregnancy. State and territory: Use as a starting point the final average monthly eligibility estimate for infants. Multiply by the factor to account for the impact of multiple births, induced abortions, and fetal and infant deaths (so the number of pregnant women is not exactly equal to the number of infants).

Step	Data source(s)	Methods and adjustment factors

Weight adjustment	▪ National estimates
	  – Postcensal population estimates from U.S. Census Bureau and March CPS ASEC for 2021, 2022, 2023, and 2024
	▪ State and Puerto Rico estimates
	  – Postcensal population estimates from U.S. Census Bureau for July 2023
		Adjust sampling weights to account for undercount or overcount in CPS estimates relative to U.S. Census Bureau population estimates by year of age 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).

Income eligibility	▪ 2024 CPS ASEC, national estimates ▪ 2022 and 2023 ACS, State estimates ▪ 2022 and 2023 PRCS, Puerto Rico estimates ▪ 2023 IDB, other island territories estimates ▪ Blended 2022 and 2023 FPGs	Count as eligible if prior year's annual income was ≤ 185 percent of the Federal Poverty Guidelines.
Adjunctive income eligibility	▪ 2024 CPS ASEC ▪ 2022 and 2023 ACS ▪ 2022 and 2023 PRCS	Add as eligible women in families who reported participating in Medicaid, SNAP, or TANF at any point during the prior calendar year. For national estimates, use 2023 ACS data to impute Medicaid and SNAP participation for those who do not report participating in either program to account for CPS ASEC undercount.
Adjustment for length of pregnancy	N/A	For State estimates, account for 9 months of pregnancy (0.75 factor). National-level pregnancy calculations account for pregnancy duration.

Adjustment for fluctuations in monthly income	Average of factors for 2020, 2021, and 2022 Survey of Income and Program Participation panel	Adjust estimates to account for the impact of monthly fluctuations in income. Use the infants adjustment factors:
		▪ Infants adjustment factor (used for estimates from PRCS and IDB data): 1.0015
		▪ Infants adjustment factors by race and ethnicity (used for State-level estimates):
		  – White-only, not Hispanic: 1.0911
		  – All others: 1.0000

Adjustment for nutritional risk	CNSTAT panel; IOM report (2002); FNS guidance	Multiply pregnant women estimates by the factor to account for otherwise eligible pregnant women who might not be at nutritional risk. Estimates assume all pregnant women are at nutritional risk. Adjustment factor for pregnant women: 1.0000

Step	Data source(s)	Methods and adjustment factors
		Postpartum women
Starting point	Eligible infants as estimated using methods outlined earlier in table	Use as a starting point the final average monthly eligibility estimate for infants.
Adjustment for multiple births and infant deaths	Separate adjustment factors for breastfeeding and non-breastfeeding postpartum women to reflect the population: ■ Breastfeeding: CDC National Vital Statistics (i.e., 2023 Births: Final Data; 2021–2023 Period Linked Birth/Infant Death Data Files) and National Vital Statistics System mortality file (2023) ■ Non-breastfeeding: CDC National Vital Statistics (i.e., 2023 Births: Final Data, 2021–2023 Period Linked Birth/Infant Death Data Files, and 2020–2022 Fetal Death Data Files); National Vital Statistics System mortality file (2023); Abortion Surveillance data	Breastfeeding postpartum women: Multiply by the factors to account for the impact of multiple births and maternal, fetal, and infant deaths (so the number of breastfeeding women is not exactly equal to the number of infants). ■ Breastfeeding postpartum women adjustment factors: – Hispanic/Latino: 0.9873 – Black-only, not Hispanic: 0.9778 – White-only, not Hispanic: 0.9834 – Two or more races or other race, not Hispanic: 0.9854 Non-breastfeeding postpartum women: Multiply by the factors to account for the impact of multiple births; abortions; and maternal, fetal, and infant deaths (so the number of non-breastfeeding women is not exactly equal to the number of infants). ■ Non-breastfeeding postpartum women adjustment factors: – Hispanic/Latino: 1.1361 – Black-only, not Hispanic: 1.1752 – White-only, not Hispanic: 1.1767 – Two or more races or other race, not Hispanic: 1.1696
Adjustment for breastfeeding status	CDC NIS breastfeeding rates computed for 2019, 2020, and 2021 birth cohorts (NIS survey years 2022 and 2023)	Multiply by factors to estimate the 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): 0.4800 ■ Breastfeeding by race and ethnicity (used for estimates from CPS ASEC): – Hispanic/Latino: 0.4978 – Black-only, not Hispanic: 0.4441 – White-only, not Hispanic: 0.4803 – Two or more races or other race, not Hispanic: 0.4777 ■ Non-breastfeeding (used for estimates from PRCS and IDB data): 0.2236 ■ Non-breastfeeding by race and ethnicity (used for estimates from CPS ASEC): – Hispanic/Latino: 0.2146 – Black-only, not Hispanic: 0.2421 – White-only, not Hispanic: 0.2247 – Two or more races or other race, not Hispanic: 0.2214

Step	Data source(s)	Methods and adjustment factors
Adjustment for nutritional risk	CNSTAT panel; IOM report (2002); FNS guidance	Multiply estimates for postpartum women by the factor to account for some otherwise eligible women who may not have been at nutritional risk. Estimates assume all postpartum women were at nutritional risk. Adjustment factor for postpartum women: 1.0000

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; because 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; FNS = Food and Nutrition Service; FPG = Federal Poverty Guidelines; IDB = International Database; IOM = Institute of Medicine; N/A = not applicable; NIS = National Immunization Survey; PRCS = Puerto Rico Community Survey; SIPP = Survey of Income and Program Participation; TANF = Temporary Assistance for Needy Families

[a] An adjustment factor for the total number of children (1.0000) 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 2024 CPS ASEC data, see U.S. Census Bureau, n.d.-a; for 2022 and 2023 ACS and PRCS data, see IPUMS-USA, n.d.; for 2023 IDB data, see U.S. Census Bureau, n.d.-b; for 2020–2023 National Vital Statistics data, see National Center for Health Statistics, n.d.; for July 2023 postcensal population estimate data, see U.S. Census Bureau, 2024a, 2024b, 2024c; for WIC income eligibility criteria, see 7 CFR 246; for 2022 and 2023 FPG, see HHS, n.d.; for 2020–2023 SIPP data, see U.S. Census Bureau, n.d.-c; for the Committee on National Statistics panel data, see Ver Ploeg & Betson, 2003; for 2020–2023 Abortion Surveillance System data, see Ramer et al. 2023; for 2020–2023 National Vital Statistics System data on maternal mortality, see Hoyert, 2023.

Table C.2. Estimated average monthly number of individuals eligible for WIC by participant category: CY 2023

Participant category	Number eligible (N)	Total eligible (%)	Total population (N)	Eligibility rate (%)
Infants	1,796,821	15.2	3,600,389	49.9
Children	7,626,138	64.5	14,713,756	51.8
1-year-old children	1,883,018	15.9	3,672,400	51.3
2-year-old children	1,914,319	16.2	3,668,357	52.2
3-year-old children	1,937,138	16.4	3,619,422	53.5
4-year-old children	1,891,664	16.0	3,753,577	50.4
Women	2,406,255	20.3	6,615,976	36.4
Pregnant women	1,091,474	9.2	2,791,608	39.1
Postpartum women	1,314,781	11.1	3,824,368	34.4
Breastfeeding women	848,829	7.2	1,995,462	42.5
Non-breastfeeding women	465,952	3.9	1,828,907	25.5
Total	11,829,215	100.0	24,930,121	47.4

Note: The total population consists of individuals in the 50 States, the District of Columbia, Indian Tribal Organizations, and the U.S. territories served by WIC in each participant category. The number of individuals eligible for WIC includes individuals eligible through any of the 89 WIC State agencies. 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 earlier, 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 C.3a1. Vital Statistics estimates and CPS ASEC estimates for infants and children by year of age and sex: March 2024

	Participant category	Female	Male	Total
Infants	Vital Statistics estimate	1,747,185	1,828,687	3,575,872
	CPS ASEC estimate	1,693,656	1,794,303	3,487,959
	Ratio of Vital Statistics estimate to CPS ASEC estimate	1.0316	1.0192	1.0252
1-year-old children	Vital Statistics estimate	1,784,130	1,863,075	3,647,205
	CPS ASEC estimate	1,887,114	1,946,481	3,833,595
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9454	0.9572	0.9514
2-year-old children	Vital Statistics estimate	1,781,865	1,862,507	3,644,372
	CPS ASEC estimate	1,794,403	1,856,388	3,650,791
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9930	1.0033	0.9982
3-year-old children	Vital Statistics estimate	1,756,832	1,837,233	3,594,065
	CPS ASEC estimate	1,737,814	1,805,785	3,543,599
	Ratio of Vital Statistics estimate to CPS ASEC estimate	1.0109	1.0174	1.0142
4-year-old children	Vital Statistics estimate	1,820,847	1,905,772	3,726,619
	CPS ASEC estimate	1,917,100	2,032,055	3,949,155
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9498	0.9379	0.9436
Total children	Vital Statistics estimate	7,143,674	7,468,587	14,612,261
	CPS ASEC estimate	7,336,431	7,640,709	14,977,140
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9737	0.9775	0.9756
Total infants and children	Vital Statistics estimate	8,890,859	9,297,274	18,188,133
	CPS ASEC estimate	9,030,087	9,435,012	18,465,099
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9846	0.9854	0.9850

Note: To calculate WIC eligibility in the CPS ASEC data, the age- and sex-specific ratios were applied to the CPS ASEC weights by age and sex to adjust for the undercount/overcount of children in the CPS ASEC relative to the Vital Statistics estimates. The ratios shown in the total columns (by age and sex) are for informational purposes only. This table does not include estimates for the U.S. territories.
CPS ASEC = Current Population Survey Annual Social and Economic Supplement
Sources: National Center for Health Statistics, n.d.; U.S. Census Bureau, n.d.-a

Table C.3a2. Effects of applying population adjustment factors to population counts for infants and children in the CPS ASEC by year of age and sex: March 2024

Participant category		Female	Male	Total
Infants	Population adjustment factor	1.0316	1.0192	N/A
	Revised CPS ASEC estimate	1,747,175	1,828,754	3,575,929
	Original CPS ASEC estimate	1,693,656	1,794,303	3,487,959
	Percent relative change	3.1600	1.9200	2.5220
1-year-old children	Population adjustment factor	0.9454	0.9572	N/A
	Revised CPS ASEC estimate	1,784,078	1,863,171	3,647,249
	Original CPS ASEC estimate	1,887,114	1,946,481	3,833,595
	Percent relative change	−5.460	−4.280	−4.861
2-year-old children	Population adjustment factor	0.9930	1.0033	N/A
	Revised CPS ASEC estimate	1,781,842	1,862,514	3,644,356
	Original CPS ASEC estimate	1,794,403	1,856,388	3,650,791
	Percent relative change	−0.700	0.3300	−0.176
3-year-old children	Population adjustment factor	1.0109	1.0174	N/A
	Revised CPS ASEC estimate	1,756,757	1,837,205	3,593,962
	Original CPS ASEC estimate	1,737,814	1,805,785	3,543,599
	Percent relative change	1.0900	1.7400	1.4210
4-year-old children	Population adjustment factor	0.9498	0.9379	N/A
	Revised CPS ASEC estimate	1,820,861	1,905,864	3,726,726
	Original CPS ASEC estimate	1,917,100	2,032,055	3,949,155
	Percent relative change	−5.020	−6.210	−5.632
Total children	Population adjustment factor	N/A	N/A	N/A
	Revised CPS ASEC estimate	7,143,538	7,468,755	14,612,293
	Original CPS ASEC estimate	7,336,431	7,640,709	14,977,140
	Percent relative change	−2.629	−2.250	−2.436

Participant category		Female	Male	Total
Total infants and children	Population adjustment factor	N/A	N/A	N/A
	Revised CPS ASEC estimate	8,890,713	9,297,509	18,188,222
	Original CPS ASEC estimate	9,030,087	9,435,012	18,465,099
	Percent relative change	−1.543	−1.457	−1.499

Note: To calculate WIC eligibility in the CPS ASEC data, the age- and sex-specific ratios were applied to the CPS ASEC weights by age and sex to adjust for the undercount/overcount of infants and children in the CPS ASEC estimates relative to the Vital Statistics estimates. The ratios shown in the total columns (by age and sex) are for informational purposes only. This table does not include estimates for the U.S. territories.

CPS ASEC = Current Population Survey Annual Social and Economic Supplement; N/A = not applicable

Sources: National Center for Health Statistics, n.d.; U.S. Census Bureau, n.d.-a

Table C.3b1. Four-year accumulations of U.S. Census Bureau estimates and CPS ASEC estimates for pregnant women by year of age and race and Hispanic ethnicity: March 2021–March 2024

Age		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
				Race and Hispanic ethnicity		
15-year-old women	U.S. Census Bureau estimate	2,240,264	1,195,912	4,265,751	897,830	8,599,757
	CPS estimate	2,236,076	1,206,855	4,220,439	881,318	8,544,688
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0019	0.9909	1.0107	1.0187	1.0064
16-year-old women	U.S. Census Bureau estimate	2,217,604	1,183,866	4,291,749	892,214	8,585,433
	CPS estimate	2,296,354	1,244,743	4,473,561	930,488	8,945,146
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9657	0.9511	0.9594	0.9589	0.9598
17-year-old women	U.S. Census Bureau estimate	2,174,906	1,166,825	4,313,514	884,196	8,539,441
	CPS estimate	2,199,212	1,239,488	4,462,863	932,876	8,834,439
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9889	0.9414	0.9665	0.9478	0.9666
18-year-old women	U.S. Census Bureau estimate	2,128,138	1,155,110	4,320,579	882,159	8,485,986
	CPS estimate	2,055,597	1,077,150	4,040,303	916,392	8,089,443
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0353	1.0724	1.0694	0.9626	1.0490
19-year-old women	U.S. Census Bureau estimate	2,092,196	1,157,600	4,351,160	879,686	8,480,642
	CPS estimate	1,905,723	1,162,210	3,717,785	677,937	7,463,655
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0978	0.9960	1.1704	1.2976	1.1363
20-year-old women	U.S. Census Bureau estimate	2,068,483	1,174,375	4,397,342	877,483	8,517,683
	CPS estimate	2,067,518	1,102,944	4,093,515	799,588	8,063,565
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0005	1.0648	1.0742	1.0974	1.0563

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
21-year-old women	U.S. Census Bureau estimate	2,038,772	1,188,207	4,411,165	871,899	8,510,043
	CPS estimate	2,229,464	1,231,016	4,093,372	904,391	8,458,243
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9145	0.9652	1.0776	0.9641	1.0061
22-year-old women	U.S. Census Bureau estimate	2,010,924	1,199,921	4,439,570	875,074	8,525,489
	CPS estimate	1,875,868	1,254,122	4,472,434	910,138	8,512,562
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0720	0.9568	0.9927	0.9615	1.0015
23-year-old women	U.S. Census Bureau estimate	1,981,295	1,204,607	4,446,766	883,827	8,516,495
	CPS estimate	1,940,390	1,376,339	4,563,518	977,073	8,857,319
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0211	0.8752	0.9744	0.9046	0.9615
24-year-old women	U.S. Census Bureau estimate	1,949,164	1,200,880	4,447,701	888,349	8,486,094
	CPS estimate	2,034,450	1,141,837	4,528,336	946,053	8,650,676
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9581	1.0517	0.9822	0.9390	0.9810
25-year-old women	U.S. Census Bureau estimate	1,931,408	1,204,905	4,472,172	902,359	8,510,844
	CPS estimate	1,975,880	1,260,870	4,498,899	881,413	8,617,062
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9775	0.9556	0.9941	1.0238	0.9877
26-year-old women	U.S. Census Bureau estimate	1,922,233	1,224,973	4,509,953	920,745	8,577,904
	CPS estimate	1,940,105	1,139,884	4,574,044	917,753	8,571,786
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9908	1.0746	0.9860	1.0033	1.0007

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
27-year-old women	U.S. Census Bureau estimate	1,925,219	1,260,021	4,574,713	940,149	8,700,102
	CPS estimate	1,931,974	1,170,868	4,431,328	917,787	8,451,958
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9965	1.0761	1.0324	1.0244	1.0294
28-year-old women	U.S. Census Bureau estimate	1,934,342	1,303,725	4,654,411	959,817	8,852,295
	CPS estimate	1,941,350	1,310,963	4,684,747	946,228	8,883,288
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9964	0.9945	0.9935	1.0144	0.9965
29-year-old women	U.S. Census Bureau estimate	1,940,583	1,350,143	4,758,494	983,263	9,032,483
	CPS estimate	2,015,397	1,331,551	4,905,501	999,487	9,251,937
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9629	1.0140	0.9700	0.9838	0.9763
30-year-old women	U.S. Census Bureau estimate	1,939,130	1,384,590	4,881,379	1,006,217	9,211,316
	CPS estimate	1,941,385	1,301,783	4,863,151	998,035	9,104,354
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9988	1.0636	1.0037	1.0082	1.0117
31-year-old women	U.S. Census Bureau estimate	1,921,170	1,397,860	4,976,253	1,023,862	9,319,145
	CPS estimate	1,971,523	1,232,069	4,774,074	1,082,879	9,060,546
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9745	1.1346	1.0423	0.9455	1.0285
32-year-old women	U.S. Census Bureau estimate	1,884,296	1,384,236	5,022,245	1,035,447	9,326,224
	CPS estimate	1,802,000	1,361,839	5,073,290	1,028,590	9,265,719
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0457	1.0164	0.9899	1.0067	1.0065
33-year-old women	U.S. Census Bureau estimate	1,844,059	1,346,797	5,016,674	1,029,971	9,237,501
	CPS estimate	1,884,793	1,286,087	5,228,601	1,003,654	9,403,135
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9784	1.0472	0.9595	1.0262	0.9824

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
34-year-old women	U.S. Census Bureau estimate	1,808,967	1,297,287	4,970,143	1,014,238	9,090,635
	CPS estimate	1,711,137	1,242,612	5,163,445	1,024,889	9,142,083
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0572	1.0440	0.9626	0.9896	0.9944
35-year-old women	U.S. Census Bureau estimate	1,788,184	1,250,598	4,944,521	998,694	8,981,997
	CPS estimate	1,667,657	1,129,514	5,198,305	943,850	8,939,326
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0723	1.1072	0.9512	1.0581	1.0048
36-year-old women	U.S. Census Bureau estimate	1,778,064	1,216,146	4,927,545	983,557	8,905,312
	CPS estimate	1,820,562	1,245,668	5,079,672	927,251	9,073,152
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9767	0.9763	0.9701	1.0607	0.9815
37-year-old women	U.S. Census Bureau estimate	1,770,625	1,194,017	4,914,016	975,757	8,854,415
	CPS estimate	1,735,173	1,205,287	5,047,140	924,260	8,911,860
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0204	0.9906	0.9736	1.0557	0.9936
38-year-old women	U.S. Census Bureau estimate	1,776,853	1,184,085	4,923,737	972,321	8,856,996
	CPS estimate	1,822,839	1,070,719	4,914,087	1,001,099	8,808,744
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9748	1.1059	1.0020	0.9713	1.0055
39-year-old women	U.S. Census Bureau estimate	1,776,467	1,173,269	4,906,809	963,364	8,819,909
	CPS estimate	1,691,795	1,104,412	4,702,350	989,648	8,488,205
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0500	1.0623	1.0435	0.9734	1.0391

Age	Race and Hispanic ethnicity				
	Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
40-year-old women					
U.S. Census Bureau estimate	1,779,648	1,173,134	4,901,046	950,112	8,803,940
CPS estimate	1,750,221	1,151,672	4,869,644	1,001,966	8,773,503
Ratio of U.S. Census Bureau estimate to CPS estimate	1.0168	1.0186	1.0064	0.9482	1.0035
41-year-old women					
U.S. Census Bureau estimate	1,773,336	1,173,207	4,875,649	931,741	8,753,933
CPS estimate	1,773,467	1,125,907	4,932,078	902,749	8,734,201
Ratio of U.S. Census Bureau estimate to CPS estimate	0.9999	1.0420	0.9886	1.0321	1.0023
42-year-old women					
U.S. Census Bureau estimate	1,740,387	1,158,289	4,796,357	905,626	8,600,659
CPS estimate	1,744,552	1,174,705	4,991,069	865,577	8,775,903
Ratio of U.S. Census Bureau estimate to CPS estimate	0.9976	0.9860	0.9610	1.0463	0.9800
43-year-old women					
U.S. Census Bureau estimate	1,715,264	1,141,188	4,719,403	880,549	8,456,404
CPS estimate	1,733,673	1,189,278	4,672,561	874,435	8,469,947
Ratio of U.S. Census Bureau estimate to CPS estimate	0.9894	0.9596	1.0100	1.0070	0.9984
44-year-old women					
U.S. Census Bureau estimate	1,681,573	1,109,447	4,604,757	858,839	8,254,616
CPS estimate	1,499,455	1,024,442	4,579,431	767,806	7,871,135
Ratio of U.S. Census Bureau estimate to CPS estimate	1.1215	1.0830	1.0055	1.1186	1.0487

Note: To calculate WIC eligibility in the CPS ASEC data, the age/race/Hispanic ethnicity–specific ratios were applied to the CPS ASEC weights by age/race/Hispanic ethnicity to adjust for the undercount/overcount of pregnant women in the CPS ASEC relative to the U.S. Census Population estimates. The ratios shown in the total columns (by age/race/Hispanic ethnicity) are for informational purposes only. This table does not include estimates for the U.S. territories.

[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

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

Sources: U.S. Census Bureau, n.d.-a, 2024b

Table C.3b2. U.S. Census Bureau estimates and CPS ASEC estimates for pregnant women by year of age and race and Hispanic ethnicity: March 2024

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
15-year-old women	U.S. Census Bureau estimate	562,643	299,978	1,048,040	228,558	2,139,219
	CPS estimate	564,640	289,795	1,048,695	225,870	2,129,000
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9965	1.0351	0.9994	1.0119	1.0048
16-year-old women	U.S. Census Bureau estimate	577,270	306,171	1,075,155	232,219	2,190,815
	CPS estimate	636,873	274,685	1,206,087	235,250	2,352,895
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9064	1.1146	0.8914	0.9871	0.9311
17-year-old women	U.S. Census Bureau estimate	572,766	302,180	1,078,839	227,196	2,180,981
	CPS estimate	568,600	316,199	1,112,847	239,528	2,237,174
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0073	0.9557	0.9694	0.9485	0.9749
18-year-old women	U.S. Census Bureau estimate	554,157	294,161	1,070,250	225,676	2,144,244
	CPS estimate	538,281	261,493	986,315	262,002	2,048,090
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0295	1.1249	1.0851	0.8614	1.0469
19-year-old women	U.S. Census Bureau estimate	541,036	288,990	1,075,551	229,141	2,134,718
	CPS estimate	496,499	349,703	953,665	183,678	1,983,545
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0897	0.8264	1.1278	1.2475	1.0762
20-year-old women	U.S. Census Bureau estimate	534,805	289,940	1,097,345	228,217	2,150,307
	CPS estimate	489,577	251,523	942,624	176,124	1,859,848
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0924	1.1527	1.1641	1.2958	1.1562

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
21-year-old women	U.S. Census Bureau estimate	526,288	290,576	1,085,724	224,666	2,127,254
	CPS estimate	613,046	310,438	1,028,802	231,024	2,183,310
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.8585	0.9360	1.0553	0.9725	0.9743
22-year-old women	U.S. Census Bureau estimate	519,010	296,177	1,100,502	224,542	2,140,231
	CPS estimate	494,959	383,151	1,084,507	238,563	2,201,180
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0486	0.7730	1.0147	0.9412	0.9723
23-year-old women	U.S. Census Bureau estimate	518,848	305,194	1,121,750	233,811	2,179,603
	CPS estimate	477,279	302,630	1,076,522	230,743	2,087,174
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0871	1.0085	1.0420	1.0133	1.0443
24-year-old women	U.S. Census Bureau estimate	506,337	303,105	1,111,652	228,945	2,150,039
	CPS estimate	515,136	277,032	1,286,273	278,452	2,356,893
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9829	1.0941	0.8642	0.8222	0.9122
25-year-old women	U.S. Census Bureau estimate	499,713	302,242	1,115,852	229,991	2,147,798
	CPS estimate	506,612	309,462	1,161,717	257,961	2,235,751
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9864	0.9767	0.9605	0.8916	0.9607
26-year-old women	U.S. Census Bureau estimate	490,358	301,748	1,109,415	234,415	2,135,936
	CPS estimate	430,540	233,666	1,093,193	217,049	1,974,448
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1389	1.2914	1.0148	1.0800	1.0818
27-year-old women	U.S. Census Bureau estimate	488,002	302,587	1,123,392	239,678	2,153,659
	CPS estimate	484,729	291,500	1,053,525	252,289	2,082,043
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0068	1.0380	1.0663	0.9500	1.0344

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
28-year-old women	U.S. Census Bureau estimate	488,624	307,688	1,135,541	243,087	2,174,940
	CPS estimate	519,087	320,540	1,082,911	254,830	2,177,367
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9413	0.9599	1.0486	0.9539	0.9989
29-year-old women	U.S. Census Bureau estimate	488,692	322,676	1,152,852	246,805	2,211,025
	CPS estimate	499,069	353,301	1,205,611	220,083	2,278,064
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9792	0.9133	0.9562	1.1214	0.9706
30-year-old women	U.S. Census Bureau estimate	491,564	336,835	1,172,896	251,286	2,252,581
	CPS estimate	471,468	299,428	1,199,182	244,308	2,214,386
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0426	1.1249	0.9781	1.0286	1.0172
31-year-old women	U.S. Census Bureau estimate	495,284	346,115	1,202,353	256,288	2,300,040
	CPS estimate	467,414	320,428	1,179,930	280,066	2,247,838
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0596	1.0802	1.0190	0.9151	1.0232
32-year-old women	U.S. Census Bureau estimate	493,434	353,557	1,238,769	263,652	2,349,412
	CPS estimate	491,396	373,761	1,233,505	253,946	2,352,608
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0041	0.9459	1.0043	1.0382	0.9986
33-year-old women	U.S. Census Bureau estimate	485,804	356,252	1,273,836	267,679	2,383,571
	CPS estimate	500,816	354,770	1,304,849	250,313	2,410,748
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9700	1.0042	0.9762	1.0694	0.9887
34-year-old women	U.S. Census Bureau estimate	471,759	349,360	1,265,804	266,098	2,353,021
	CPS estimate	500,968	368,237	1,232,281	285,552	2,387,037
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9417	0.9487	1.0272	0.9319	0.9857

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
35-year-old women	U.S. Census Bureau estimate	456,681	331,540	1,246,659	264,360	2,299,240
	CPS estimate	446,078	300,570	1,232,413	218,650	2,197,711
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0238	1.1030	1.0116	1.2091	1.0462
36-year-old women	U.S. Census Bureau estimate	451,049	314,974	1,231,576	255,454	2,253,053
	CPS estimate	457,997	314,844	1,291,082	244,637	2,308,560
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9848	1.0004	0.9539	1.0442	0.9760
37-year-old women	U.S. Census Bureau estimate	448,151	306,116	1,226,047	250,263	2,230,577
	CPS estimate	456,540	293,350	1,228,768	279,728	2,258,386
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9816	1.0435	0.9978	0.8947	0.9877
38-year-old women	U.S. Census Bureau estimate	449,038	302,459	1,238,902	248,952	2,239,351
	CPS estimate	462,416	285,720	1,225,165	254,826	2,228,126
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9711	1.0586	1.0112	0.9769	1.0050
39-year-old women	U.S. Census Bureau estimate	445,613	296,214	1,227,979	247,144	2,216,950
	CPS estimate	420,604	313,946	1,210,434	264,650	2,209,634
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0595	0.9435	1.0145	0.9339	1.0033
40-year-old women	U.S. Census Bureau estimate	443,140	291,329	1,216,593	245,606	2,196,668
	CPS estimate	497,354	284,012	1,081,956	262,235	2,125,558
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.8910	1.0258	1.1244	0.9366	1.0335
41-year-old women	U.S. Census Bureau estimate	453,172	294,853	1,234,554	244,932	2,227,511
	CPS estimate	426,984	279,173	1,230,457	236,090	2,172,704
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0613	1.0562	1.0033	1.0375	1.0252

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
42-year-old women	U.S. Census Bureau estimate	446,516	290,455	1,221,250	238,000	2,196,221
	CPS estimate	502,884	303,852	1,285,870	259,129	2,351,736
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.8879	0.9559	0.9497	0.9185	0.9339
43-year-old women	U.S. Census Bureau estimate	446,461	295,149	1,221,686	232,133	2,195,429
	CPS estimate	417,655	327,424	1,232,595	238,756	2,216,429
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0690	0.9014	0.9911	0.9723	0.9905
44-year-old women	U.S. Census Bureau estimate	434,996	291,107	1,190,582	226,021	2,142,706
	CPS estimate	378,564	286,215	1,187,549	205,304	2,057,632
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1491	1.0171	1.0026	1.1009	1.0413

Note: To calculate WIC eligibility in the CPS ASEC data, the age/race/Hispanic ethnicity–specific ratios were applied to the CPS ASEC weights by age/race/Hispanic ethnicity to adjust for the undercount/overcount of pregnant women in the CPS ASEC relative to the U.S. Census Population estimates. The ratios shown in the total columns (by age/race/Hispanic ethnicity) are for informational purposes only. This table does not include estimates for the U.S. territories.

[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

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

Sources: U.S. Census Bureau, n.d.-a, 2023b

Table C.3b3. Effects of applying population adjustment factors to population counts for pregnant women in the CPS ASEC by year of age and race and Hispanic ethnicity: March 2024

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
15-year-old women	Population adjustment factor	1.0000	1.0000	1.0000	1.0119	N/A
	Revised CPS ASEC estimate	564,640	289,795	1,048,695	228,558	2,131,688
	Original CPS ASEC estimate	564,640	289,795	1,048,695	225,870	2,129,000
	Percent relative change	0.0	0.0	0.0	1.1900	0.1260
16-year-old women	Population adjustment factor	0.9657	1.0000	0.9594	0.9871	N/A
	Revised CPS ASEC estimate	615,028	274,685	1,157,120	232,215	2,279,049
	Original CPS ASEC estimate	636,873	274,685	1,206,087	235,250	2,352,895
	Percent relative change	-3.430	0.0	−4.060	−1.290	−3.139
17-year-old women	Population adjustment factor	1.0000	0.9557	0.9694	0.9485	N/A
	Revised CPS ASEC estimate	568,600	302,191	1,078,794	227,192	2,176,777
	Original CPS ASEC estimate	568,600	316,199	1,112,847	239,528	2,237,174
	Percent relative change	0.0	−4.430	−3.060	−5.150	−2.700
18-year-old women	Population adjustment factor	1.0295	1.0724	1.0694	0.9626	N/A
	Revised CPS ASEC estimate	554,160	280,425	1,054,765	252,203	2,141,553
	Original CPS ASEC estimate	538,281	261,493	986,315	262,002	2,048,090
	Percent relative change	2.9500	7.2400	6.9400	−3.740	4.5630
19-year-old women	Population adjustment factor	1.0897	0.9960	1.1278	N/A	N/A
	Revised CPS ASEC estimate	541,035	348,304	1,075,544	229,139	2,194,021
	Original CPS ASEC estimate	496,499	349,703	953,665	183,678	1,983,545
	Percent relative change	8.9700	−0.400	12.780	24.750	10.611

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
20-year-old women	Population adjustment factor	1.0005	1.0648	1.0742	1.0974	N/A
	Revised CPS ASEC estimate	489,822	267,822	1,012,567	193,279	1,963,489
	Original CPS ASEC estimate	489,577	251,523	942,624	176,124	1,859,848
	Percent relative change	0.0500	6.4800	7.4200	9.7400	5.5730
21-year-old women	Population adjustment factor	0.9145	0.9652	1.0553	0.9725	N/A
	Revised CPS ASEC estimate	560,630	299,635	1,085,694	224,671	2,170,631
	Original CPS ASEC estimate	613,046	310,438	1,028,802	231,024	2,183,310
	Percent relative change	-8.550	−3.480	5.5300	−2.750	−0.581
22-year-old women	Population adjustment factor	1.0486	0.9568	1.0000	0.9615	N/A
	Revised CPS ASEC estimate	519,014	366,599	1,084,507	229,379	2,199,498
	Original CPS ASEC estimate	494,959	383,151	1,084,507	238,563	2,201,180
	Percent relative change	4.8600	−4.320	0.0	−3.850	−0.076
23-year-old women	Population adjustment factor	1.0211	1.0000	1.0000	1.0000	N/A
	Revised CPS ASEC estimate	487,349	302,630	1,076,522	230,743	2,097,245
	Original CPS ASEC estimate	477,279	302,630	1,076,522	230,743	2,087,174
	Percent relative change	2.1100	0.0	0.0	0.0	0.4820
24-year-old women	Population adjustment factor	0.9829	1.0517	0.9822	0.9390	N/A
	Revised CPS ASEC estimate	506,327	291,354	1,263,378	261,467	2,322,526
	Original CPS ASEC estimate	515,136	277,032	1,286,273	278,452	2,356,893
	Percent relative change	−1.710	5.1700	−1.780	−6.100	−1.458
25-year-old women	Population adjustment factor	0.9864	0.9767	0.9941	1.0000	N/A
	Revised CPS ASEC estimate	499,722	302,251	1,154,863	257,961	2,214,797
	Original CPS ASEC estimate	506,612	309,462	1,161,717	257,961	2,235,751
	Percent relative change	−1.360	−2.330	−0.590	0.0	−0.937

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
26-year-old women	Population adjustment factor	1.0000	1.0746	1.0000	1.0033	N/A
	Revised CPS ASEC estimate	430,540	251,097	1,093,193	217,766	1,992,595
	Original CPS ASEC estimate	430,540	233,666	1,093,193	217,049	1,974,448
	Percent relative change	0.0	7.4600	0.0	0.3300	0.9190
27-year-old women	Population adjustment factor	1.0000	1.0380	1.0324	1.0000	N/A
	Revised CPS ASEC estimate	484,729	302,577	1,087,660	252,289	2,127,254
	Original CPS ASEC estimate	484,729	291,500	1,053,525	252,289	2,082,043
	Percent relative change	0.0	3.8000	3.2400	0.0	2.1710
28-year-old women	Population adjustment factor	0.9964	0.9945	1.0000	1.0000	N/A
	Revised CPS ASEC estimate	517,218	318,777	1,082,911	254,830	2,173,735
	Original CPS ASEC estimate	519,087	320,540	1,082,911	254,830	2,177,367
	Percent relative change	−0.360	−0.550	0.0	0.0	−0.167
29-year-old women	Population adjustment factor	0.9792	1.0000	0.9700	1.0000	N/A
	Revised CPS ASEC estimate	488,688	353,301	1,169,442	220,083	2,231,515
	Original CPS ASEC estimate	499,069	353,301	1,205,611	220,083	2,278,064
	Percent relative change	−2.080	0.0	−3.000	0.0	−2.043
30-year-old women	Population adjustment factor	1.0000	1.0636	1.0000	1.0082	N/A
	Revised CPS ASEC estimate	471,468	318,472	1,199,182	246,311	2,235,433
	Original CPS ASEC estimate	471,468	299,428	1,199,182	244,308	2,214,386
	Percent relative change	0.0	6.3600	0.0	0.8200	0.9500
31-year-old women	Population adjustment factor	1.0000	1.0802	1.0190	0.9455	N/A
	Revised CPS ASEC estimate	467,414	346,126	1,202,349	264,802	2,280,691
	Original CPS ASEC estimate	467,414	320,428	1,179,930	280,066	2,247,838
	Percent relative change	0.0	8.0200	1.9000	−5.450	1.4620

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
32-year-old women	Population adjustment factor	1.0041	1.0000	1.0000	1.0067	N/A
	Revised CPS ASEC estimate	493,410	373,761	1,233,505	255,647	2,356,324
	Original CPS ASEC estimate	491,396	373,761	1,233,505	253,946	2,352,608
	Percent relative change	0.4100	0.0	0.0	0.6700	0.1580
33-year-old women	Population adjustment factor	0.9784	1.0042	0.9762	1.0262	N/A
	Revised CPS ASEC estimate	489,998	356,260	1,273,794	256,871	2,376,923
	Original CPS ASEC estimate	500,816	354,770	1,304,849	250,313	2,410,748
	Percent relative change	−2.160	0.4200	−2.380	2.6200	−1.403
34-year-old women	Population adjustment factor	1.0000	1.0000	1.0000	0.9896	N/A
	Revised CPS ASEC estimate	500,968	368,237	1,232,281	282,582	2,384,067
	Original CPS ASEC estimate	500,968	368,237	1,232,281	285,552	2,387,037
	Percent relative change	0.0	0.0	0.0	−1.040	−0.124
35-year-old women	Population adjustment factor	1.0238	1.1030	1.0000	1.0581	N/A
	Revised CPS ASEC estimate	456,694	331,529	1,232,413	231,354	2,251,990
	Original CPS ASEC estimate	446,078	300,570	1,232,413	218,650	2,197,711
	Percent relative change	2.3800	10.300	0.0	5.8100	2.4700
36-year-old women	Population adjustment factor	0.9848	1.0000	0.9701	1.0442	N/A
	Revised CPS ASEC estimate	451,036	314,844	1,252,478	255,450	2,273,808
	Original CPS ASEC estimate	457,997	314,844	1,291,082	244,637	2,308,560
	Percent relative change	−1.520	0.0	−2.990	4.4200	−1.505
37-year-old women	Population adjustment factor	1.0000	1.0000	0.9978	1.0000	N/A
	Revised CPS ASEC estimate	456,540	293,350	1,226,065	279,728	2,255,683
	Original CPS ASEC estimate	456,540	293,350	1,228,768	279,728	2,258,386
	Percent relative change	0.0	0.0	−0.220	0.0	−0.120

Age		Race and Hispanic ethnicity				
		Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
38-year-old women	Population adjustment factor	0.9748	1.0586	1.0020	0.9769	N/A
	Revised CPS ASEC estimate	450,763	302,463	1,227,615	248,940	2,229,780
	Original CPS ASEC estimate	462,416	285,720	1,225,165	254,826	2,228,126
	Percent relative change	−2.520	5.8600	0.2000	−2.310	0.0740
39-year-old women	Population adjustment factor	1.0500	1.0000	1.0145	0.9734	N/A
	Revised CPS ASEC estimate	441,634	313,946	1,227,986	257,611	2,241,176
	Original CPS ASEC estimate	420,604	313,946	1,210,434	264,650	2,209,634
	Percent relative change	5.0000	0.0	1.4500	−2.660	1.4270
40-year-old women	Population adjustment factor	1.0000	1.0186	1.0064	0.9482	N/A
	Revised CPS ASEC estimate	497,354	289,295	1,088,881	248,651	2,124,181
	Original CPS ASEC estimate	497,354	284,012	1,081,956	262,235	2,125,558
	Percent relative change	0.0	1.8600	0.6400	−5.180	−0.065
41-year-old women	Population adjustment factor	1.0000	1.0420	1.0000	1.0321	N/A
	Revised CPS ASEC estimate	426,984	290,898	1,230,457	243,668	2,192,007
	Original CPS ASEC estimate	426,984	279,173	1,230,457	236,090	2,172,704
	Percent relative change	0.0	4.2000	0.0	3.2100	0.8880
42-year-old women	Population adjustment factor	0.9976	0.9860	0.9610	1.0000	N/A
	Revised CPS ASEC estimate	501,677	299,598	1,235,721	259,129	2,296,126
	Original CPS ASEC estimate	502,884	303,852	1,285,870	259,129	2,351,736
	Percent relative change	−0.240	−1.400	−3.900	0.0	−2.365
43-year-old women	Population adjustment factor	1.0000	0.9596	1.0000	1.0000	N/A
	Revised CPS ASEC estimate	417,655	314,196	1,232,595	238,756	2,203,201
	Original CPS ASEC estimate	417,655	327,424	1,232,595	238,756	2,216,429
	Percent relative change	0.0	−4.040	0.0	0.0	−0.597

Age	Race and Hispanic ethnicity				
	Hispanic/Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
44-year-old women					
Population adjustment factor	1.1215	1.0171	1.0026	1.1009	N/A
Revised CPS ASEC estimate	424,559	291,109	1,190,637	226,019	2,132,324
Original CPS ASEC estimate	378,564	286,215	1,187,549	205,304	2,057,632
Percent relative change	12.150	1.7100	0.2600	10.090	3.6300

Note: To calculate WIC eligibility in the CPS ASEC data, the age/race/Hispanic ethnicity–specific ratios were applied to the CPS ASEC weights by age/race/ Hispanic ethnicity to adjust for the undercount/overcount of pregnant women in the CPS ASEC estimates relative to the U.S. Census Population estimates. The ratios shown in the total columns (by age/race/Hispanic ethnicity) are for informational purposes only. This table does not include estimates for the U.S. territories.

[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

CPS ASEC = Current Population Survey Annual Social and Economic Supplement; N/A = not applicable

Sources: U.S. Census Bureau, n.d.-a, 2024b

Table C.4. Breastfeeding adjustment factor calculations for postpartum women eligible for WIC: CY 2023

Adjustments		2023
Breastfeeding in hospital	Hispanic/Latino	0.8028
	Black-only, not Hispanic	0.7175
	White-only, not Hispanic	0.7747
	Two or more races or other race, not Hispanic[a]	0.7859
Breastfeeding at 6 months	Hispanic/Latino	0.5094
	Black-only, not Hispanic	0.4682
	White-only, not Hispanic	0.4912
	Two or more races or other race, not Hispanic[a]	0.4952
Breastfeeding at 12 months	Hispanic/Latino	0.3401
	Black-only, not Hispanic	0.2766
	White-only, not Hispanic	0.3289
	Two or more races or other race, not Hispanic[a]	0.3011
Additional adjustment factors for maternal deaths/ infant and fetal deaths/multiple births	Additional adjustments for postpartum breastfeeding women	
	Hispanic/Latino	0.9873
	Black-only, not Hispanic	0.9778
	White-only, not Hispanic	0.9834
	Two or more races or other race, not Hispanic[a]	0.9854
	Additional adjustments for postpartum non-breastfeeding women	
	Hispanic/Latino	1.1361
	Black-only, not Hispanic	1.1752
	White-only, not Hispanic	1.1767
	Two or more races or other race, not Hispanic[a]	1.1696
Adjustment for breastfeeding cessation	Adjustment to average breastfeeding	0.8700
Final adjustment factors[b]	Breastfeeding adjustment factor	
	Hispanic/Latino	0.4978
	Black-only, not Hispanic	0.4441
	White-only, not Hispanic	0.4803
	Two or more races or other race, not Hispanic[a]	0.4777
	Non-breastfeeding adjustment factor	
	Hispanic/Latino	0.2146
	Black-only, not Hispanic	0.2421
	White-only, not Hispanic	0.2247
	Two or more races or other race, not Hispanic[a]	0.2214

Note: CY = calendar year

[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

[b] The final adjustment factors for estimating postpartum eligibility from estimates of infant eligibility in the territories is 0.4572 for estimates of breastfeeding women and 0.2316 for estimates of non-breastfeeding women.

Sources: FNS, 2024; National Center for Health Statistics, n.d.

Table C.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 2023

Step	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum breastfeeding women	Postpartum non-breastfeeding women	Total
Estimating infants and children										
Total number of infants and children in CPS ASEC data	3,487,959	14,977,140	3,833,595	3,650,791	3,543,599	3,949,155	–	–	–	18,465,099
Number after adjustment for CPS undercount, overcount	3,575,929	14,612,293	3,647,249	3,644,356	3,593,962	3,726,726	–	–	–	18,188,222
Number with annual income ≤ 185 percent of the FPG	1,090,312	4,596,731	1,202,558	1,115,240	1,166,031	1,112,902	–	–	–	5,687,044
Number adjunctively income-eligible and with annual income > 185 percent of the FPG[a]	637,306	2,946,485	660,249	778,916	750,935	756,384	–	–	–	3,583,791
Through SNAP	248,528	1,151,502	264,013	284,149	309,289	294,050	–	–	–	1,400,030
Through TANF	4,553	17,906	2,004	6,799	6,892	2,211	–	–	–	22,459
Through Medicaid	384,225	1,777,077	394,232	487,968	434,754	460,123	–	–	–	2,161,302
Total number income- and adjunctively income-eligible	1,727,619	7,543,216	1,862,807	1,894,157	1,916,966	1,869,286	–	–	–	9,270,835
Number after adjustment for monthly income and certification periods	1,775,844	7,543,216	1,862,807	1,894,157	1,916,966	1,869,286	–	–	–	9,319,060
Total number eligible: Number after adjustment for nutritional risk (infants and children)	1,775,844	7,543,216	1,862,807	1,894,157	1,916,966	1,869,286	–	–	–	9,319,060

Step	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum breastfeeding women	Postpartum non-breastfeeding women	Total
Estimating pregnant and postpartum women										
Estimated population of women of reproductive age or infants: Starting points for pregnant and postpartum women[b]	–	–	–	–	–	–	25,163,037	1,775,844	1,775,844	28,714,726
Total number eligible: Number after adjustments for pregnancy and breastfeeding status	**–**	**–**	**–**	**–**	**–**	**–**	**1,077,644**	**838,771**	**461,267**	**2,377,682**
Total number eligible in the 50 States and the District of Columbia, excluding the U.S. territories WIC serves	1,775,844	7,543,216	1,862,807	1,894,157	1,916,966	1,869,286	1,077,644	838,771	461,267	11,696,742
Total number eligible in all U.S. territories WIC serves[b]	20,977	82,922	20,211	20,163	20,171	22,378	13,830	10,058	4,685	132,473
Total number eligible in the 50 States, the District of Columbia, and the U.S. territories WIC serves	**1,796,821**	**7,626,138**	**1,883,018**	**1,914,319**	**1,937,138**	**1,891,664**	**1,091,474**	**848,829**	**465,952**	**11,829,215**

Note: CPS ASEC = Current Population Survey Annual Social and Economic Supplement; CY = calendar year; FPG = Federal Poverty Guidelines; 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] The starting point for pregnant women is the total number of women of reproductive age (15–44 years) in the CPS ASEC. The starting point for postpartum women is the number of infants estimated to be eligible for WIC.

[c] See appendix D for the derivation of WIC eligibility in U.S. territories.

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Sources: IPUMS-USA, n.d.; National Center for Health Statistics, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b, n.d.-c

Table C.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 2023

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Total	1,063,513	621,217	1,684,731	1,263,925	694,025	1,957,950	1,117,084	780,155	1,897,239
Sex									
Male	549,040	285,601	834,641	647,708	348,993	996,701	580,223	409,886	990,109
Female	514,474	335,616	850,090	616,217	345,032	961,249	536,861	370,270	907,131
Race									
Black	240,592	112,327	352,919	399,060	153,968	553,028	251,277	151,917	403,195
White	674,190	412,414	1,086,604	684,537	447,334	1,131,871	733,905	496,798	1,230,703
Another race[c]	148,731	96,476	245,207	180,329	92,723	273,052	131,901	131,440	263,342
Hispanic ethnicity									
Hispanic/Latino	448,427	200,652	649,080	432,457	238,146	670,603	426,240	285,519	711,760
Not Hispanic/Latino	615,086	420,565	1,035,651	831,468	455,879	1,287,347	690,843	494,636	1,185,480
Living arrangement									
Two-parent family	599,329	438,665	1,037,994	744,207	500,295	1,244,502	634,385	558,724	1,193,109
Single-parent family	389,120	173,683	562,803	437,981	175,130	613,111	421,981	170,964	592,945
No-parent family	75,065	8,869	83,934	81,737	18,600	100,337	60,718	50,467	111,185
Related nonparent caretaker	26,464	8,869	35,334	50,149	18,600	68,749	25,376	50,467	75,843
Unrelated nonparent caretaker	48,600	0	48,600	31,588	0	31,588	35,342	0	35,342
Military status of household members									
Ever served in U.S. military	25,309	27,858	53,167	62,599	35,616	98,216	35,040	56,188	91,228
Serving in U.S. military in 2023[d]	31,878	9,942	41,820	46,109	14,775	60,884	5,440	7,306	12,746

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Number of individuals in household									
2	76,548	8,543	85,090	25,290	18,336	43,626	77,607	4,435	82,041
3	272,178	144,383	416,560	254,387	162,462	416,850	172,181	142,954	315,135
4	226,548	171,104	397,652	356,471	218,455	574,925	283,433	274,107	557,541
5	200,915	142,117	343,032	253,195	140,772	393,966	259,404	185,716	445,120
6 or more	287,324	155,072	442,396	374,583	153,999	528,583	324,459	172,944	497,402
Mean	4.7	4.6	4.6	4.8	4.5	4.7	4.8	4.7	4.8
Working parents									
Household with working parent(s)	705,782	553,559	1,259,340	854,011	607,905	1,461,916	777,982	682,046	1,460,028
Annual family income relative to FPG[b]									
No income	97,164	0	97,164	72,174	0	72,174	73,770	0	73,770
Up to 50 percent of FPG	171,757	0	171,757	192,066	0	192,066	155,004	0	155,004
More than 50 percent up to 100 percent of FPG	203,577	0	203,577	319,096	0	319,096	308,085	0	308,085
More than 100 percent up to 130 percent of FPG	204,008	0	204,008	251,129	0	251,129	204,246	0	204,246
More than 130 percent up to 150 percent of FPG	133,586	0	133,586	176,565	0	176,565	149,246	0	149,246
More than 150 percent up to 185 percent of FPG	253,421	0	253,421	252,896	0	252,896	226,732	0	226,732
More than 185 percent up to 200 percent of FPG	0	88,723	88,723	0	65,545	65,545	0	99,618	99,618
More than 200 percent of FPG	0	532,495	532,495	0	628,480	628,480	0	680,538	680,538

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Receipts of other benefits									
No benefit receipt	240,871	0	240,871	236,792	0	236,792	181,543	0	181,543
Medicaid, SNAP, and TANF	44,225	9,961	54,186	57,252	16,194	73,446	61,734	6,025	67,760
SNAP and TANF only	7,007	0	7,007	0	0	0	0	0	0
Medicaid and SNAP only	383,359	140,206	523,566	567,158	175,829	742,988	489,596	183,498	673,094
Medicaid and TANF only	0	4,467	4,467	0	2,120	2,120	8,785	6,784	15,569
SNAP only	106,277	92,050	198,327	64,192	85,419	149,611	62,037	95,258	157,295
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	281,775	374,533	656,307	338,532	414,463	752,994	313,388	488,590	801,978

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Total	1,149,979	740,250	1,890,228	1,179,731	801,416	1,981,147	4,710,718	3,015,846	7,726,564
Sex									
Male	541,172	402,613	943,786	639,161	403,454	1,042,615	2,408,265	1,564,946	3,973,211
Female	608,806	337,636	946,443	540,569	397,962	938,532	2,302,453	1,450,900	3,753,353
Race									
Black	283,015	183,282	466,297	275,975	184,460	460,434	1,209,327	673,627	1,882,954
White	736,185	450,211	1,186,396	708,665	480,552	1,189,217	2,863,293	1,874,894	4,738,187
Another race[c]	130,778	106,757	237,535	195,091	136,405	331,495	638,099	467,325	1,105,424
Hispanic ethnicity									
Hispanic/Latino	462,311	228,132	690,443	428,378	260,231	688,609	1,749,385	1,012,029	2,761,414
Not Hispanic/Latino	687,668	512,117	1,199,785	751,353	541,185	1,292,538	2,961,333	2,003,817	4,965,150
Living arrangement									
Two-parent family	580,315	518,099	1,098,414	646,324	592,098	1,238,422	2,605,231	2,169,216	4,774,447
Single-parent family	502,556	181,655	684,211	438,868	162,686	601,554	1,801,386	690,435	2,491,821
No-parent family	67,108	40,496	107,603	94,539	46,632	141,171	304,101	156,195	460,296
Related nonparent caretaker	32,221	40,496	72,717	45,825	46,632	92,457	153,571	156,195	309,766
Unrelated nonparent caretaker	34,887	0	34,887	48,714	0	48,714	150,530	0	150,530
Military status of household members									
Ever served in U.S. military	24,042	25,088	49,131	45,032	55,475	100,507	166,714	172,368	339,081
Serving in U.S. military in 2023[d]	28,703	17,066	45,769	23,901	16,224	40,125	104,153	55,371	159,523

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Number of individuals in household									
2	71,100	16,638	87,738	35,294	13,619	48,912	209,290	53,027	262,317
3	185,521	116,783	302,304	186,278	89,398	275,676	798,367	511,597	1,309,965
4	296,487	231,352	527,839	320,408	269,051	589,458	1,256,798	992,965	2,249,764
5	270,361	166,740	437,101	273,838	203,893	477,731	1,056,798	697,121	1,753,919
6 or more	326,509	208,736	535,245	363,913	225,456	589,369	1,389,464	761,135	2,150,599
Mean	4.8	4.8	4.8	5.0	4.8	4.9	4.9	4.7	4.8
Working parents									
Household with working parent(s)	825,834	653,059	1,478,894	835,423	713,570	1,548,993	3,293,251	2,656,579	5,949,830
Annual family income relative to FPG[b]									
No income	96,419	0	96,419	87,968	0	87,968	330,330	0	330,330
Up to 50 percent of FPG	158,457	0	158,457	155,981	0	155,981	661,509	0	661,509
More than 50 percent up to 100 percent of FPG	259,352	0	259,352	270,208	0	270,208	1,156,741	0	1,156,741
More than 100 percent up to 130 percent of FPG	189,648	0	189,648	265,713	0	265,713	910,735	0	910,735
More than 130 percent up to 150 percent of FPG	181,062	0	181,062	151,349	0	151,349	658,222	0	658,222
More than 150 percent up to 185 percent of FPG	265,041	0	265,041	248,511	0	248,511	993,181	0	993,181
More than 185 percent up to 200 percent of FPG	0	70,042	70,042	0	94,542	94,542	0	329,746	329,746
More than 200 percent of FPG	0	670,208	670,208	0	706,874	706,874	0	2,686,100	2,686,100

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Receipts of other benefits									
No benefit receipt	207,593	0	207,593	191,793	0	191,793	817,721	0	817,721
Medicaid, SNAP, and TANF	97,885	10,180	108,065	56,727	810	57,538	273,598	33,210	306,808
SNAP and TANF only	0	0	0	0	0	0	0	0	0
Medicaid and SNAP only	493,093	193,024	686,118	505,635	235,195	740,830	2,055,482	787,547	2,843,029
Medicaid and TANF only	4,968	6,813	11,781	2,760	2,328	5,088	16,513	18,044	34,557
SNAP only	52,941	101,624	154,565	63,067	75,649	138,716	242,236	357,950	600,187
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	293,498	428,608	722,106	359,750	487,434	847,183	1,305,167	1,819,094	3,124,262

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 ASEC relative to Vital Statistics estimates, monthly income, or nutritional risk. This table does not include estimates for the U.S. territories.

CPS ASEC = Current Population Survey 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 and 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] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

[d] 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.

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

Table C.6a2. Estimated average monthly percentage of infants and children, by year of age, eligible for WIC by demographic and income characteristics and adjunctive income eligibility (unadjusted weights): CY 2023

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Total (*N*)	1,063,513	621,217	1,684,731	1,263,925	694,025	1,957,950	1,117,084	780,155	1,897,239
Sex (%)									
Male	51.6	46.0	49.5	51.2	50.3	50.9	51.9	52.5	52.2
Female	48.4	54.0	50.5	48.8	49.7	49.1	48.1	47.5	47.8
Race (%)									
Black	22.6	18.1	20.9	31.6	22.2	28.2	22.5	19.5	21.3
White	63.4	66.4	64.5	54.2	64.5	57.8	65.7	63.7	64.9
Another race[c]	14.0	15.5	14.6	14.3	13.4	13.9	11.8	16.8	13.9
Hispanic ethnicity (%)									
Hispanic/Latino	42.2	32.3	38.5	34.2	34.3	34.3	38.2	36.6	37.5
Not Hispanic/Latino	57.8	67.7	61.5	65.8	65.7	65.8	61.8	63.4	62.5
Living arrangement (%)									
Two-parent family	56.4	70.6	61.6	58.9	72.1	63.6	56.8	71.6	62.9
Single-parent family	36.6	28.0	33.4	34.7	25.2	31.3	37.8	21.9	31.3
No-parent family	7.1	1.4	5.0	6.5	2.7	5.1	5.4	6.5	5.9
Related nonparent caretaker	2.5	1.4	2.1	4.0	2.7	3.5	2.3	6.5	4.0
Unrelated nonparent caretaker	4.6	0.0	2.9	2.5	0.0	1.6	3.2	0.0	1.9
Military status of household members (%)									
Ever served in U.S. military	2.4	4.5	3.2	5.0	5.1	5.0	3.1	7.2	4.8
Serving in U.S. military in 2023[d]	3.0	1.6	2.5	3.6	2.1	3.1	0.5	0.9	0.7

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Number of individuals in household (%)									
2	7.2	1.4	5.1	2.0	2.6	2.2	6.9	0.6	4.3
3	25.6	23.2	24.7	20.1	23.4	21.3	15.4	18.3	16.6
4	21.3	27.5	23.6	28.2	31.5	29.4	25.4	35.1	29.4
5	18.9	22.9	20.4	20.0	20.3	20.1	23.2	23.8	23.5
6 or more	27.0	25.0	26.3	29.6	22.2	27.0	29.0	22.2	26.2
Working parents (%)									
Percent with working parent(s)	66.4	89.1	74.8	67.6	87.6	74.7	69.6	87.4	77.0
Annual family income relative to FPG[b] (%)									
No income	9.1	0.0	5.8	5.7	0.0	3.7	6.6	0.0	3.9
Up to 50 percent of FPG	16.2	0.0	10.2	15.2	0.0	9.8	13.9	0.0	8.2
More than 50 percent up to 100 percent of FPG	19.1	0.0	12.1	25.2	0.0	16.3	27.6	0.0	16.2
More than 100 percent up to 130 percent of FPG	19.2	0.0	12.1	19.9	0.0	12.8	18.3	0.0	10.8
More than 130 percent up to 150 percent of FPG	12.6	0.0	7.9	14.0	0.0	9.0	13.4	0.0	7.9
More than 150 percent up to 185 percent of FPG	23.8	0.0	15.0	20.0	0.0	12.9	20.3	0.0	12.0
More than 185 percent up to 200 percent of FPG	0.0	14.3	5.3	0.0	9.4	3.3	0.0	12.8	5.3
More than 200 percent of FPG	0.0	85.7	31.6	0.0	90.6	32.1	0.0	87.2	35.9

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Receipts of other benefits (%)									
No benefit receipt	22.6	0.0	14.3	18.7	0.0	12.1	16.3	0.0	9.6
Medicaid, SNAP, and TANF	4.2	1.6	3.2	4.5	2.3	3.8	5.5	0.8	3.6
SNAP and TANF only	0.7	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid and SNAP only	36.0	22.6	31.1	44.9	25.3	37.9	43.8	23.5	35.5
Medicaid and TANF only	0.0	0.7	0.3	0.0	0.3	0.1	0.8	0.9	0.8
SNAP only	10.0	14.8	11.8	5.1	12.3	7.6	5.6	12.2	8.3
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	26.5	60.3	39.0	26.8	59.7	38.5	28.1	62.6	42.3

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Total	1,149,979	740,250	1,890,228	1,179,731	801,416	1,981,147	4,710,718	3,015,846	7,726,564
Sex (%)									
Male	47.1	54.4	49.9	54.2	50.3	52.6	51.1	51.9	51.4
Female	52.9	45.6	50.1	45.8	49.7	47.4	48.9	48.1	48.6
Race (%)									
Black	24.6	24.8	24.7	23.4	23.0	23.2	25.7	22.3	24.4
White	64.0	60.8	62.8	60.1	60.0	60.0	60.8	62.2	61.3
Another race[c]	11.4	14.4	12.6	16.5	17.0	16.7	13.5	15.5	14.3
Hispanic ethnicity (%)									
Hispanic/Latino	40.2	30.8	36.5	36.3	32.5	34.8	37.1	33.6	35.7
Not Hispanic/Latino	59.8	69.2	63.5	63.7	67.5	65.2	62.9	66.4	64.3
Living arrangement (%)									
Two-parent family	50.5	70.0	58.1	54.8	73.9	62.5	55.3	71.9	61.8
Single-parent family	43.7	24.5	36.2	37.2	20.3	30.4	38.2	22.9	32.3
No-parent family	5.8	5.5	5.7	8.0	5.8	7.1	6.5	5.2	6.0
Related nonparent caretaker	2.8	5.5	3.8	3.9	5.8	4.7	3.3	5.2	4.0
Unrelated nonparent caretaker	3.0	0.0	1.8	4.1	0.0	2.5	3.2	0.0	1.9
Military status of household members (%)									
Ever served in U.S. military	2.1	3.4	2.6	3.8	6.9	5.1	3.5	5.7	4.4
Serving in U.S. military in 2023[d]	2.5	2.3	2.4	2.0	2.0	2.0	2.2	1.8	2.1

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Number of individuals in household (%)									
2	6.2	2.2	4.6	3.0	1.7	2.5	4.4	1.8	3.4
3	16.1	15.8	16.0	15.8	11.2	13.9	16.9	17.0	17.0
4	25.8	31.3	27.9	27.2	33.6	29.8	26.7	32.9	29.1
5	23.5	22.5	23.1	23.2	25.4	24.1	22.4	23.1	22.7
6 or more	28.4	28.2	28.3	30.8	28.1	29.7	29.5	25.2	27.8
Working parents (%)									
Percent with working parent(s)	71.8	88.2	78.2	70.8	89.0	78.2	69.9	88.1	77.0
Annual family income relative to FPG[b] (%)									
No income	8.4	0.0	5.1	7.5	0.0	4.4	7.0	0.0	4.3
Up to 50 percent of FPG	13.8	0.0	8.4	13.2	0.0	7.9	14.0	0.0	8.6
More than 50 percent up to 100 percent of FPG	22.6	0.0	13.7	22.9	0.0	13.6	24.6	0.0	15.0
More than 100 percent up to 130 percent of FPG	16.5	0.0	10.0	22.5	0.0	13.4	19.3	0.0	11.8
More than 130 percent up to 150 percent of FPG	15.7	0.0	9.6	12.8	0.0	7.6	14.0	0.0	8.5
More than 150 percent up to 185 percent of FPG	23.0	0.0	14.0	21.1	0.0	12.5	21.1	0.0	12.9
More than 185 percent up to 200 percent of FPG	0.0	9.5	3.7	0.0	11.8	4.8	0.0	10.9	4.3
More than 200 percent of FPG	0.0	90.5	35.5	0.0	88.2	35.7	0.0	89.1	34.8

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Receipts of other benefits (%)									
No benefit receipt	18.1	0.0	11.0	16.3	0.0	9.7	17.4	0.0	10.6
Medicaid, SNAP, and TANF	8.5	1.4	5.7	4.8	0.1	2.9	5.8	1.1	4.0
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	42.9	26.1	36.3	42.9	29.3	37.4	43.6	26.1	36.8
Medicaid and TANF only	0.4	0.9	0.6	0.2	0.3	0.3	0.4	0.6	0.4
SNAP only	4.6	13.7	8.2	5.3	9.4	7.0	5.1	11.9	7.8
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	25.5	57.9	38.2	30.5	60.8	42.8	27.7	60.3	40.4

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 ASEC relative to Vital Statistics estimates, monthly income, or nutritional risk. This table does not include estimates for the U.S. territories.

CPS ASEC = Current Population Survey 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 and 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] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

[d] 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.

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

Table C.6b1. Estimated average monthly number 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 2023

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Total	1,117,072	658,772	1,775,844	1,202,558	660,249	1,862,807	1,115,240	778,916	1,894,157
Sex									
Male	571,323	301,210	872,533	619,987	334,056	954,042	582,138	411,238	993,376
Female	545,749	357,562	903,311	582,571	326,193	908,764	533,103	367,678	900,781
Race									
Black	246,459	115,139	361,599	379,417	146,630	526,047	251,194	151,478	402,672
White	718,220	444,588	1,162,808	651,363	425,524	1,076,887	732,577	496,115	1,228,692
Another race[c]	152,393	99,044	251,437	171,778	88,095	259,873	131,470	131,323	262,793
Hispanic ethnicity									
Hispanic/Latino	459,841	205,859	665,699	411,529	226,393	637,922	425,528	285,124	710,652
Not Hispanic/Latino	657,232	452,913	1,110,145	791,029	433,856	1,224,885	689,713	493,792	1,183,505
Living arrangement									
Two-parent family	631,481	467,870	1,099,350	708,345	476,021	1,184,366	633,334	558,016	1,191,350
Single-parent family	405,721	181,441	587,162	416,533	166,528	583,061	421,257	170,562	591,818
No-parent family	79,870	9,462	89,332	77,680	17,700	95,380	60,650	50,338	110,988
Related nonparent caretaker	28,261	9,462	37,723	47,653	17,700	65,353	25,368	50,338	75,706
Unrelated nonparent caretaker	51,609	0	51,609	30,027	0	30,027	35,282	0	35,282
Military status of household member									
Ever served in U.S. military	27,913	29,895	57,808	59,586	33,830	93,416	35,051	56,001	91,053
Serving in U.S. military in 2023[d]	33,886	10,759	44,646	43,933	14,143	58,075	5,449	7,263	12,712

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Number of individuals in household									
2	80,577	9,057	89,634	24,113	17,456	41,569	77,517	4,404	81,920
3	287,108	156,030	443,139	242,153	154,410	396,563	171,909	142,748	314,657
4	236,851	182,654	419,505	338,670	207,837	546,506	282,841	273,572	556,413
5	210,134	149,347	359,482	241,134	133,861	374,995	258,879	185,451	444,331
6 or more	302,402	161,683	464,085	356,488	146,685	503,173	324,094	172,741	496,836
Mean	4.7	4.6	4.6	4.8	4.5	4.7	4.8	4.7	4.8
Working parents									
Household with working parent(s)	740,775	587,539	1,328,314	812,652	578,374	1,391,025	776,648	681,048	1,457,696
Annual family income relative to FPG[b]									
No income	102,263	0	102,263	68,768	0	68,768	73,662	0	73,662
Up to 50 percent of FPG	179,171	0	179,171	182,802	0	182,802	154,632	0	154,632
More than 50 percent up to 100 percent of FPG	215,992	0	215,992	303,509	0	303,509	307,806	0	307,806
More than 100 percent up to 130 percent of FPG	212,612	0	212,612	238,875	0	238,875	203,843	0	203,843
More than 130 percent up to 150 percent of FPG	139,698	0	139,698	168,039	0	168,039	148,987	0	148,987
More than 150 percent up to 185 percent of FPG	267,338	0	267,338	240,564	0	240,564	226,312	0	226,312
More than 185 percent up to 200 percent of FPG	0	93,383	93,383	0	62,145	62,145	0	99,471	99,471
More than 200 percent of FPG	0	565,389	565,389	0	598,104	598,104	0	679,445	679,445

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Receipts of other benefits									
No benefit receipt	257,930	0	257,930	225,366	0	225,366	181,185	0	181,185
Medicaid, SNAP, and TANF	45,730	10,381	56,110	54,575	15,407	69,983	61,613	5,986	67,599
SNAP and TANF only	7,190	0	7,190	0	0	0	0	0	0
Medicaid and SNAP only	399,723	146,316	546,040	539,840	167,365	707,205	488,849	183,058	671,906
Medicaid and TANF only	0	4,553	4,553	0	2,004	2,004	8,727	6,799	15,526
SNAP only	112,625	97,418	210,043	60,874	81,241	142,115	61,860	95,106	156,966
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	293,874	400,104	693,978	321,902	394,232	716,134	313,007	487,968	800,975

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Total	1,166,031	750,935	1,916,966	1,112,902	756,384	1,869,286	4,596,731	2,946,485	7,543,216
Sex									
Male	550,589	409,619	960,207	599,469	378,400	977,869	2,352,182	1,533,313	3,885,495
Female	615,442	341,317	956,759	513,433	377,985	891,417	2,244,549	1,413,172	3,657,721
Race									
Black	286,941	185,923	472,865	260,171	174,125	434,295	1,177,723	658,156	1,835,879
White	746,416	456,701	1,203,116	668,655	453,391	1,122,046	2,799,010	1,831,730	4,630,741
Another race[c]	132,674	108,311	240,985	184,077	128,869	312,945	619,998	456,598	1,076,597
Hispanic ethnicity									
Hispanic/Latino	468,792	231,366	700,159	404,284	245,471	649,755	1,710,133	988,354	2,698,487
Not Hispanic/Latino	697,238	519,569	1,216,807	708,618	510,913	1,219,531	2,886,598	1,958,130	4,844,729
Living arrangement									
Two-parent family	588,372	525,615	1,113,987	609,617	559,036	1,168,654	2,539,668	2,118,689	4,658,357
Single-parent family	509,629	184,227	693,856	414,117	153,507	567,624	1,761,535	674,825	2,436,360
No-parent family	68,030	41,093	109,123	89,168	43,841	133,009	295,528	152,971	448,500
Related nonparent caretaker	32,677	41,093	73,770	43,237	43,841	87,078	148,936	152,971	301,907
Unrelated nonparent caretaker	35,353	0	35,353	45,931	0	45,931	146,593	0	146,593
Military status of household members									
Ever served in U.S. military	24,390	25,433	49,823	42,437	52,398	94,835	161,464	167,662	329,126
Serving in U.S. military in 2023[d]	29,125	17,288	46,412	22,558	15,397	37,955	101,064	54,091	155,155

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Number of individuals in household									
2	72,110	16,866	88,976	33,301	12,873	46,174	207,041	51,598	258,639
3	188,113	118,474	306,587	175,677	84,470	260,147	777,853	500,102	1,277,954
4	300,630	234,653	535,283	302,258	253,622	555,880	1,224,399	969,684	2,194,083
5	274,082	169,161	443,242	258,400	192,550	450,949	1,032,495	681,023	1,713,518
6 or more	331,095	211,782	542,877	343,266	212,869	556,136	1,354,944	744,077	2,099,022
Mean	4.8	4.8	4.8	5.0	4.8	4.9	4.9	4.7	4.8
Working parents									
Household with working parent(s)	837,331	662,491	1,499,823	788,165	673,381	1,461,545	3,214,796	2,595,293	5,810,089
Annual family income relative to FPG[b]									
No income	97,693	0	97,693	82,918	0	82,918	323,041	0	323,041
Up to 50 percent of FPG	160,637	0	160,637	147,225	0	147,225	645,297	0	645,297
More than 50 percent up to 100 percent of FPG	262,995	0	262,995	255,102	0	255,102	1,129,412	0	1,129,412
More than 100 percent up to 130 percent of FPG	192,263	0	192,263	250,528	0	250,528	885,509	0	885,509
More than 130 percent up to 150 percent of FPG	183,698	0	183,698	142,538	0	142,538	643,262	0	643,262
More than 150 percent up to 185 percent of FPG	268,744	0	268,744	234,590	0	234,590	970,210	0	970,210
More than 185 percent up to 200 percent of FPG	0	71,060	71,060	0	89,197	89,197	0	321,874	321,874
More than 200 percent of FPG	0	679,875	679,875	0	667,187	667,187	0	2,624,611	2,624,611

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Receipts of other benefits									
No benefit receipt	210,449	0	210,449	180,891	0	180,891	797,891	0	797,891
Medicaid, SNAP, and TANF	99,261	10,325	109,586	53,526	767	54,293	268,975	32,485	301,460
SNAP and TANF only	0	0	0	0	0	0	0	0	0
Medicaid and SNAP only	499,978	195,899	695,877	477,267	221,891	699,158	2,005,934	768,213	2,774,147
Medicaid and TANF only	5,054	6,892	11,946	2,589	2,211	4,800	16,370	17,906	34,276
SNAP only	53,644	103,065	156,709	59,309	71,392	130,702	235,687	350,805	586,492
TANF only	0	0	0	0	0	0	0	0	0
Medicaid only	297,644	434,754	732,398	339,320	460,123	799,443	1,271,874	1,777,077	3,048,950

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 ASEC relative to Vital Statistics estimates, monthly income, or nutritional risk. This table does not include estimates for the U.S. territories.

CPS ASEC = Current Population Survey 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 and 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] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

[d] 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.

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

Table C.6b2. Estimated average monthly percentage of infants and children, by year of age, eligible for WIC by demographic and income characteristics and adjunctive income eligibility (fully adjusted weights): CY 2023

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Total	1,117,072	658,772	1,775,844	1,202,558	660,249	1,862,807	1,115,240	778,916	1,894,157
Sex (%)									
Male	51.1	45.7	49.1	51.6	50.6	51.2	52.2	52.8	52.4
Female	48.9	54.3	50.9	48.4	49.4	48.8	47.8	47.2	47.6
Race (%)									
Black	22.1	17.5	20.4	31.6	22.2	28.2	22.5	19.4	21.3
White	64.3	67.5	65.5	54.2	64.4	57.8	65.7	63.7	64.9
Another race[c]	13.6	15.0	14.2	14.3	13.3	14.0	11.8	16.9	13.9
Hispanic ethnicity (%)									
Hispanic/Latino	41.2	31.2	37.5	34.2	34.3	34.2	38.2	36.6	37.5
Not Hispanic/Latino	58.8	68.8	62.5	65.8	65.7	65.8	61.8	63.4	62.5
Living arrangement (%)									
Two-parent family	56.5	71.0	61.9	58.9	72.1	63.6	56.8	71.6	62.9
Single-parent family	36.3	27.5	33.1	34.6	25.2	31.3	37.8	21.9	31.2
No-parent family	7.2	1.4	5.0	6.5	2.7	5.1	5.4	6.5	5.9
Related nonparent caretaker	2.5	1.4	2.1	4.0	2.7	3.5	2.3	6.5	4.0
Unrelated nonparent caretaker	4.6	0.0	2.9	2.5	0.0	1.6	3.2	0.0	1.9
Military status of household member (%)									
Ever served in U.S. military	2.5	4.5	3.3	5.0	5.1	5.0	3.1	7.2	4.8
Serving in U.S. military in 2023[d]	3.0	1.6	2.5	3.7	2.1	3.1	0.5	0.9	0.7

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Number of individuals in household (%)									
2	7.2	1.4	5.0	2.0	2.6	2.2	7.0	0.6	4.3
3	25.7	23.7	25.0	20.1	23.4	21.3	15.4	18.3	16.6
4	21.2	27.7	23.6	28.2	31.5	29.3	25.4	35.1	29.4
5	18.8	22.7	20.2	20.1	20.3	20.1	23.2	23.8	23.5
6 or more	27.1	24.5	26.1	29.6	22.2	27.0	29.1	22.2	26.2
Working parents (%)									
Household with working parent(s)	66.3	89.2	74.8	67.6	87.6	74.7	69.6	87.4	77.0
Annual family income relative to FPG[b] (%)									
No income	9.2	0.0	5.8	5.7	0.0	3.7	6.6	0.0	3.9
Up to 50 percent of FPG	16.0	0.0	10.1	15.2	0.0	9.8	13.9	0.0	8.2
More than 50 percent up to 100 percent of FPG	19.3	0.0	12.2	25.2	0.0	16.3	27.6	0.0	16.3
More than 100 percent up to 130 percent of FPG	19.0	0.0	12.0	19.9	0.0	12.8	18.3	0.0	10.8
More than 130 percent up to 150 percent of FPG	12.5	0.0	7.9	14.0	0.0	9.0	13.4	0.0	7.9
More than 150 percent up to 185 percent of FPG	23.9	0.0	15.1	20.0	0.0	12.9	20.3	0.0	11.9
More than 185 percent up to 200 percent of FPG	0.0	14.2	5.3	0.0	9.4	3.3	0.0	12.8	5.3
More than 200 percent of FPG	0.0	85.8	31.8	0.0	90.6	32.1	0.0	87.2	35.9

Characteristics	Infants eligible for WIC			1-year-old children eligible for WIC			2-year-old children eligible for WIC		
	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total	Family income ≤ 185 percent FPG[a]	Adjunctively income-eligible > 185 percent FPG[b]	Total
Receipts of other benefits (%)									
No benefit receipt	23.1	0.0	14.5	18.7	0.0	12.1	16.2	0.0	9.6
Medicaid, SNAP, and TANF	4.1	1.6	3.2	4.5	2.3	3.8	5.5	0.8	3.6
SNAP and TANF only	0.6	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid and SNAP only	35.8	22.2	30.7	44.9	25.3	38.0	43.8	23.5	35.5
Medicaid and TANF only	0.0	0.7	0.3	0.0	0.3	0.1	0.8	0.9	0.8
SNAP only	10.1	14.8	11.8	5.1	12.3	7.6	5.5	12.2	8.3
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	26.3	60.7	39.1	26.8	59.7	38.4	28.1	62.6	42.3

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Total	1,166,031	750,935	1,916,966	1,112,902	756,384	1,869,286	4,596,731	2,946,485	7,543,216
Sex (%)									
Male	47.2	54.5	50.1	53.9	50.0	52.3	51.2	52.0	51.5
Female	52.8	45.5	49.9	46.1	50.0	47.7	48.8	48.0	48.5
Race (%)									
Black	24.6	24.8	24.7	23.4	23.0	23.2	25.6	22.3	24.3
White	64.0	60.8	62.8	60.1	59.9	60.0	60.9	62.2	61.4
Another race[c]	11.4	14.4	12.6	16.5	17.0	16.7	13.5	15.5	14.3
Hispanic ethnicity (%)									
Hispanic/Latino	40.2	30.8	36.5	36.3	32.5	34.8	37.2	33.5	35.8
Not Hispanic/Latino	59.8	69.2	63.5	63.7	67.5	65.2	62.8	66.5	64.2
Living arrangement (%)									
Two-parent family	50.5	70.0	58.1	54.8	73.9	62.5	55.2	71.9	61.8
Single-parent family	43.7	24.5	36.2	37.2	20.3	30.4	38.3	22.9	32.3
No-parent family	5.8	5.5	5.7	8.0	5.8	7.1	6.4	5.2	5.9
Related nonparent caretaker	2.8	5.5	3.8	3.9	5.8	4.7	3.2	5.2	4.0
Unrelated nonparent caretaker	3.0	0.0	1.8	4.1	0.0	2.5	3.2	0.0	1.9
Military status of household members (%)									
Ever served in U.S. military	2.1	3.4	2.6	3.8	6.9	5.1	3.5	5.7	4.4
Serving in U.S. military in 2023[d]	2.5	2.3	2.4	2.0	2.0	2.0	2.2	1.8	2.1

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Number of individuals in household (%)									
2	6.2	2.2	4.6	3.0	1.7	2.5	4.5	1.8	3.4
3	16.1	15.8	16.0	15.8	11.2	13.9	16.9	17.0	16.9
4	25.8	31.2	27.9	27.2	33.5	29.7	26.6	32.9	29.1
5	23.5	22.5	23.1	23.2	25.5	24.1	22.5	23.1	22.7
6 or more	28.4	28.2	28.3	30.8	28.1	29.8	29.5	25.3	27.8
Working parents (%)									
Household with working parent(s)	71.8	88.2	78.2	70.8	89.0	78.2	69.9	88.1	77.0
Annual family income relative to FPG[b] (%)									
No income	8.4	0.0	5.1	7.5	0.0	4.4	7.0	0.0	4.3
Up to 50 percent of FPG	13.8	0.0	8.4	13.2	0.0	7.9	14.0	0.0	8.6
More than 50 percent up to 100 percent of FPG	22.6	0.0	13.7	22.9	0.0	13.6	24.6	0.0	15.0
More than 100 percent up to 130 percent of FPG	16.5	0.0	10.0	22.5	0.0	13.4	19.3	0.0	11.7
More than 130 percent up to 150 percent of FPG	15.8	0.0	9.6	12.8	0.0	7.6	14.0	0.0	8.5
More than 150 percent up to 185 percent of FPG	23.0	0.0	14.0	21.1	0.0	12.6	21.1	0.0	12.9
More than 185 percent up to 200 percent of FPG	0.0	9.5	3.7	0.0	11.8	4.8	0.0	10.9	4.3
More than 200 percent of FPG	0.0	90.5	35.5	0.0	88.2	35.7	0.0	89.1	34.8

Characteristics	3-year-old children eligible for WIC			4-year-old children eligible for WIC			All children eligible for WIC		
	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total	Family income ≤ 185 percent of FPG[a]	Adjunctively income-eligible > 185 percent of FPG[b]	Total
Receipts of other benefits (%)									
No benefit receipt	18.0	0.0	11.0	16.3	0.0	9.7	17.4	0.0	10.6
Medicaid, SNAP, and TANF	8.5	1.4	5.7	4.8	0.1	2.9	5.9	1.1	4.0
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	42.9	26.1	36.3	42.9	29.3	37.4	43.6	26.1	36.8
Medicaid and TANF only	0.4	0.9	0.6	0.2	0.3	0.3	0.4	0.6	0.5
SNAP only	4.6	13.7	8.2	5.3	9.4	7.0	5.1	11.9	7.8
TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Medicaid only	25.5	57.9	38.2	30.5	60.8	42.8	27.7	60.3	40.4

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 ASEC relative to Vital Statistics estimates, monthly income, or nutritional risk. This table does not include estimates for the U.S. territories.

CPS ASEC = Current Population Survey 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 and 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] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

[d] 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.

Table C.7. Changes in the total population, number of individuals eligible for WIC, and WIC eligibility rate by participant category: CY 2022–CY 2023

Participant category	2022	2023	Percent change 2022–2023
Total population			
Infants	3,672,318	3,600,389	-2.0
Children	14,837,992	14,713,756	−0.8
1-year-old children	3,667,605	3,672,400	0.1
2-year-old children	3,619,676	3,668,357	1.3
3-year-old children	3,753,387	3,619,422	−3.6
4-year-old children	3,797,324	3,753,577	−1.2
Pregnant women	2,851,339	2,791,608	−2.1*
Postpartum women	3,907,642	3,824,368	−2.1
Breastfeeding women	1,977,449	1,995,462	0.9
Non-breastfeeding women	1,930,192	1,828,907	−5.2*
Total	**25,269,292**	**24,930,121**	**−1.3***
Number eligible			
Infants	1,830,448	1,796,821	−1.8
Children	7,523,916	7,626,138	1.4
1-year-old children	1,852,300	1,883,018	1.7
2-year-old children	1,909,244	1,914,319	0.3
3-year-old children	1,864,052	1,937,138	3.9
4-year-old children	1,898,321	1,891,664	−0.4
Pregnant women	1,124,940	1,091,474	−3.0*
Postpartum women	1,313,719	1,314,781	0.1
Breastfeeding women	822,967	848,829	3.1
Non-breastfeeding women	490,752	465,952	−5.1
Total	**11,793,023**	**11,829,215**	**0.3**

Participant category	2022	2023	Percent change 2022–2023
Eligibility rate (%)			
Infants	49.8	49.9	0.1
Children	50.7	51.8	2.2
1-year-old children	50.5	51.3	1.5
2-year-old children	52.7	52.2	−1.1
3-year-old children	49.7	53.5	7.8[*]
4-year-old children	50.0	50.4	0.8
Pregnant women	39.5	39.1	−0.9
Postpartum women	33.6	34.4	2.3
Breastfeeding women	41.6	42.5	2.2
Non-breastfeeding women	25.4	25.5	0.2
Total	46.7	47.4	1.7

Note: The average monthly population of postpartum women includes all women who gave birth less than 1 year earlier, 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 2022 and 2023 estimates of individuals eligible for WIC or WIC eligibility rate at the 95 percent confidence level. The statistical significance testing was conducted on the 2022–2023 change in WIC eligibility based on the CPS ASEC, which included data only for States. It did not include data for the U.S. territories served by WIC.
Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a

Table C.8. Stepwise comparison of changes in average monthly numbers of infants and children eligible for WIC as estimated in the March CPS ASEC: CY 2022–CY 2023

Step	Infants	Children	Total
2022			
Total number of individuals in the March CPS ASEC	3,464,722	15,008,530	18,473,252
Number (non-U.S. territory) after adjustment for CPS ASEC undercount/overcount	3,647,110	14,734,250	18,381,360
Number with annual income <= 185 percent of FPG	1,029,263	4,320,006	5,349,269
Number with adjunctive income eligibility	715,549	3,118,506	3,834,055
Through SNAP	299,145	1,328,950	1,628,094
Through TANF	3,196	19,718	22,914
Through Medicaid	413,208	1,769,839	2,183,047
Number before monthly income adjustment	1,744,812	7,438,512	9,183,325
Number after monthly income adjustment	1,807,733	7,438,512	9,246,246
Total number of eligible individuals	1,807,733	7,438,512	9,246,246
2023			
Total number of individuals in the March CPS ASEC	3,487,959	14,977,140	18,465,099
Number (non-U.S. territory) after adjustment for CPS ASEC undercount/overcount	3,575,929	14,612,293	18,188,222
Number with annual income <= 185 percent of FPG	1,090,312	4,596,731	5,687,044
Number with adjunctive income eligibility	637,306	2,946,485	3,583,791
Through SNAP	248,528	1,151,502	1,400,030
Through TANF	4,553	17,906	22,459
Through Medicaid	384,225	1,777,077	2,161,302
Number before monthly income adjustment	1,727,619	7,543,216	9,270,835
Number after monthly income adjustment	1,775,844	7,543,216	9,319,060
Total number of eligible individuals	1,775,844	7,543,216	9,319,060
Percent change			
Total number of individuals in the March CPS ASEC	0.7	−0.2	−0.0
Number (non-U.S. territory) after adjustment for CPS ASEC undercount/overcount	−2.0	−0.8	−1.1
Number with annual income < 185 percent of FPG	5.9	6.4	6.3
Number with adjunctive income eligibility	−10.9	−5.5	−6.5
Through SNAP	−16.9	−13.4	−14.0
Through TANF	42.4	−9.2	−2.0
Through Medicaid	−7.0	0.4	−1.0
Number before monthly income adjustment	−1.0	1.4	1.0
Number after monthly income adjustment	−1.8	1.4	0.8
Total number of eligible individuals	−1.8	1.4	0.8

Note: This table does not include estimates for the U.S. territories.
CPS ASEC = Current Population Survey 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.; U.S. Census Bureau, n.d.-a

Table C.9. Standard errors and coefficients of variation for estimates by participant category: CY 2023

Participant category	Estimate		Standard error		Coefficient of variation (%)	
	Total population	Eligible for WIC	Total population	Eligible for WIC	Total population	Eligible for WIC
Infants	3,594,612	1,792,124	53,904	69,105	1.5	3.9
Children	14,690,591	7,607,962	50,165	112,082	0.3	1.5
1-year-old children	3,666,610	1,878,475	50,014	59,506	1.4	3.2
2-year-old children	3,662,572	1,909,780	46,279	61,062	1.3	3.2
3-year-old children	3,613,641	1,932,602	55,718	61,935	1.5	3.2
4-year-old children	3,747,768	1,887,106	53,575	56,582	1.4	3.0
Pregnant women	2,787,296	1,088,389	1,553	11,488	0.1	1.1
Postpartum breastfeeding women	1,992,235	846,585	28,262	32,357	1.4	3.8
Postpartum non-breastfeeding women	1,826,384	464,907	29,832	18,229	1.6	3.9
Total	24,891,118	11,799,967	61,622	165,769	0.2	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 the U.S. territories other than Puerto Rico.
CY = calendar year
Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a

Appendix D

Detailed Tables for Regional- and State-Level WIC Estimates: CY 2023

This appendix presents detailed estimates of individuals eligible for WIC and coverage rates by FNS Region and State for 2023, including comparisons over time in coverage rates by race and Hispanic ethnicity and by participant category.

Policy and National Events Influencing WIC Operations, Eligibility, and Program Reach

Several external factors and WIC policy changes influenced WIC program operations in 2023. These changes may influence the estimates and trends presented in this report. For example—

- In February 2022, an infant formula recall led to a national formula shortage. Combined with supply chain issues, the formula shortage continued in 2023, leading to shifts in how infants were fed across the Nation (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.

- In FY 2023, Congress continued to fund an increase to the cash value benefit (CVB) that WIC participants use to purchase fruits and vegetables. Although the FY 2023 CVB levels were only modestly adjusted for inflation above the increased CVB funded in FY 2022, this rise may still have had continued impacts on participation extending into 2023.

- The country continued to deal with challenges related to the COVID-19 public health emergency (PHE). Poverty remained relatively high, although some measures suggest a slight increase in family incomes. Medicaid and SNAP participation also continued at high levels, although these programs began "unwinding" COVID-19 flexibilities that temporarily increased enrollment. Some WIC clinics began shifting back to pre-COVID policies, while others continued to waive physical presence requirements and issued benefits electronically in an effort to modernize the program. The impact of WIC waivers may have varied across State agencies with different policies. For example, some State agencies used offline EBT technology that did not allow for remote benefit issuance, while others had online systems that allowed them to issue benefits remotely.

A list of the seven FNS Regions and the State agencies included in each FNS Region in 2023 follows. Participants from the Tribal Organizations are included in the estimates for the FNS Region and geographic State associated with the Tribal Organization.

A. FNS Regions and the State Agencies Within Each Region in Calendar Year 2023

Northeast

- Connecticut
- Indian Township Passamaquoddy Reservation
- Maine
- Massachusetts
- New Hampshire
- New York
- Pleasant Point Passamaquoddy Reservation
- Rhode Island
- U.S. Virgin Islands
- Vermont

Mid-Atlantic

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

Midwest

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

Mountain Plains

- Cheyenne River Sioux Tribe
- Colorado
- Eastern Shoshone Tribe
- Kansas
- Missouri
- Montana
- Nebraska
- North Dakota
- Northern Arapaho Tribe
- Omaha Nation
- Rosebud Sioux Tribe
- Santee Sioux Nation
- South Dakota
- Standing Rock Sioux Tribe
- Three Affiliated Tribes
- Ute Mountain Ute Tribe
- Winnebago Tribe
- Wyoming

Southeast

- Alabama
- Eastern Band of Cherokee Indians
- Florida
- Georgia
- Kentucky
- Mississippi
- Mississippi Band of Choctaw Indians
- North Carolina
- South Carolina
- Tennessee

Southwest	
■ Acoma, Canoncito, Laguna ■ Arizona ■ Arkansas ■ Cherokee Nation ■ Chickasaw Nation ■ Choctaw Nation ■ Citizen Potawatomi Nation ■ Eight Northern Indian Pueblos Council ■ Five Sandoval Indian Pueblos ■ Inter Tribal Council of Arizona ■ Inter-Tribal Council of Oklahoma ■ Louisiana ■ Muscogee Creek Nation	■ Navajo Nation ■ New Mexico ■ Oklahoma ■ Osage Nation ■ Otoe-Missouria Tribe ■ Pueblo of Isleta ■ Pueblo of San Felipe ■ Pueblo of Zuni ■ Santo Domingo Pueblo ■ Texas ■ Utah ■ Wichita, Caddo, Delaware
Western	
■ Alaska ■ American Samoa ■ California ■ Guam ■ Hawaii ■ Idaho	■ Inter-Tribal Council of Nevada ■ Nevada ■ Commonwealth of the Northern Mariana Islands ■ Oregon ■ Washington

Table D.1. Number of individuals eligible for WIC, number participating, and coverage rate by State and FNS Region: CY 2023

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 D.2. Number of individuals eligible for WIC, number participating, and coverage rate by FNS Region and States in each Region: CY 2023

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 FNS Region.

Table D.3. Number of individuals eligible for WIC, number participating, and coverage rate by FNS Region and participant category: CY 2023

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 D.4. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by State and FNS Region: CY 2023

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. The coefficient of variation is the ratio of the standard error to the eligibility estimate.

Table D.5. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by FNS Region and States in each Region: CY 2023

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 FNS Region.

Table D.6. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by FNS Region and participant category: CY 2023

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.

Tables D.7a and D.7b. 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 2023

Analogous to table C.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 D.7a) and the other U.S. territories (table D.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 D.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 2023

This table shows the estimated numbers of infants and children eligible for WIC by demographic and income characteristics in the CPS ASEC and ACS data by FNS Region (IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a). It is similar to table C.6 but shows the data by FNS Region and does not show results for children by year of age. This table does not include infants and children from the 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.

Tables D.9a–D.9f. WIC coverage rate by State: CY 2016–CY 2023

This series of tables shows WIC coverage rates and the associated coefficients of variation by State and year for CY 2016–CY 2023. Table D.9a presents coverage rates for all participants. Tables D.9b through D.9f show coverage rates for each participant category.

Table D.10. WIC coverage rate by State and participant category with coefficients of variation: CY 2023

This table shows the coverage rates by State and participant category and the associated coefficients of variation.

Table D.11. State-level WIC coverage rate by race and Hispanic ethnicity with coefficients of variation: CY 2023

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

Table D.12. State-level WIC coverage rate (percentage) for children by race and Hispanic ethnicity: CY 2023

This table shows the State-level coverage rates for children by race and Hispanic ethnicity.[8]

Table D.1. Number of individuals eligible for WIC, number participating, and coverage rate by State and FNS Region: CY 2023

State/FNS Region	Number eligible	Number participating	Coverage rate (%)
State			
Alabama	217,424	111,698	51.4*
Alaska	27,897	14,037	50.3*
Arizona	251,856	149,740	59.5*
Arkansas	137,464	62,760	45.7*
California	1,342,261	972,105	72.4*
Colorado	161,362	87,529	54.2
Connecticut	100,229	48,241	48.1*
Delaware	33,370	20,526	61.5
District of Columbia	19,833	11,699	59.0
Florida	797,695	421,853	52.9*
Georgia	452,426	216,026	47.7*
Hawaii	44,888	25,712	57.3
Idaho	68,498	30,758	44.9*
Illinois	374,310	165,845	44.3*
Indiana	252,916	147,377	58.3
Iowa	106,440	57,828	54.3
Kansas	92,727	46,951	50.6*
Kentucky	181,150	112,463	62.1*
Louisiana	230,008	94,945	41.3*
Maine	32,774	18,102	55.2
Maryland	198,551	121,474	61.2*
Massachusetts	180,935	124,227	68.7*
Michigan	325,382	203,673	62.6*
Minnesota	159,569	105,664	66.2*
Mississippi	140,088	63,811	45.6*
Missouri	210,848	90,657	43.0*
Montana	32,628	14,002	42.9*

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[8] The confidence intervals for the other WIC participant categories remained too large to enable precise estimates, even after pooling.

State/FNS Region	Number eligible	Number participating	Coverage rate (%)
Nebraska	61,410	36,599	59.6
Nevada	112,145	53,534	47.7*
New Hampshire	26,565	13,153	49.5
New Jersey	280,003	163,380	58.3
New Mexico	88,623	38,920	43.9*
New York	675,156	421,604	62.4*
North Carolina	408,500	252,514	61.8*
North Dakota	20,382	10,508	51.6
Ohio	390,500	177,743	45.5*
Oklahoma	182,481	98,848	54.2
Oregon	122,873	77,520	63.1*
Pennsylvania	399,427	174,376	43.7*
Puerto Rico	103,225	86,471	83.8*
Rhode Island	28,988	17,578	60.6
South Carolina	214,663	95,108	44.3*
South Dakota	26,349	15,153	57.5
Tennessee	278,397	131,895	47.4*
Texas	1,364,294	773,120	56.7
Utah	94,848	42,187	44.5*
Vermont	13,548	10,791	79.6*
Virginia	254,803	120,272	47.2*
Washington	236,727	129,668	54.8
West Virginia	62,738	37,114	59.2
Wisconsin	162,136	90,803	56.0
Wyoming	17,656	7,671	43.4*
FNS Region			
Northeast	1,064,441	656,270	61.7*
Mid-Atlantic	1,351,951	735,312	54.4
Southeast	2,690,342	1,405,369	52.2*
Midwest	1,771,253	948,934	53.6*
Southwest	2,349,574	1,260,519	53.6*
Mountain Plains	623,362	309,070	49.6*
Western	1,978,290	1,315,835	66.5*
Total	11,829,215	6,631,309	56.1

Note: State and FNS Region eligibility estimates and participant data include individuals in ITOs who were eligible for WIC or receiving WIC. Estimates for U.S. territories other than Puerto Rico are included in regional totals but not shown separately because of constraints related to small sample size.

CPS ASEC = Annual Social and Economic Supplement of the Current Population Survey; CY = calendar year; FNS = Food and Nutrition Service; ITO = Indian Tribal Organization; PRCS = Puerto Rico Community Survey

* 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 and PRCS data, which included data only for the States and Puerto Rico. It did not include data for the other U.S. territories served by WIC.

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.2. Number of individuals eligible for WIC, number participating, and coverage rate by FNS Region and States in each Region: CY 2023

FNS Region and State	Number eligible	Number participating	Coverage rate (%)
Northeast	1,064,441	656,270	61.7*
Connecticut	100,229	48,241	48.1*
Maine	32,774	18,102	55.2
Massachusetts	180,935	124,227	68.7*
New Hampshire	26,565	13,153	49.5
New York	675,156	421,604	62.4*
Rhode Island	28,988	17,578	60.6
Vermont	13,548	10,791	79.6*
Mid-Atlantic	1,351,951	735,312	54.4
Delaware	33,370	20,526	61.5
District of Columbia	19,833	11,699	59.0
Maryland	198,551	121,474	61.2*
New Jersey	280,003	163,380	58.3
Pennsylvania	399,427	174,376	43.7*
Puerto Rico	103,225	86,471	83.8*
Virginia	254,803	120,272	47.2*
West Virginia	62,738	37,114	59.2
Southeast	2,690,342	1,405,369	52.2*
Alabama	217,424	111,698	51.4*
Florida	797,695	421,853	52.9*
Georgia	452,426	216,026	47.7*
Kentucky	181,150	112,463	62.1*
Mississippi	140,088	63,811	45.6*
North Carolina	408,500	252,514	61.8*
South Carolina	214,663	95,108	44.3*
Tennessee	278,397	131,895	47.4*
Midwest	1,771,253	948,934	53.6*
Illinois	374,310	165,845	44.3*
Indiana	252,916	147,377	58.3
Iowa	106,440	57,828	54.3
Michigan	325,382	203,673	62.6*
Minnesota	159,569	105,664	66.2*
Ohio	390,500	177,743	45.5*
Wisconsin	162,136	90,803	56.0

FNS Region and State	Number eligible	Number participating	Coverage rate (%)
Southwest	2,349,574	1,260,519	53.6*
Arizona	251,856	149,740	59.5*
Arkansas	137,464	62,760	45.7*
Louisiana	230,008	94,945	41.3*
New Mexico	88,623	38,920	43.9*
Oklahoma	182,481	98,848	54.2
Texas	1,364,294	773,120	56.7
Utah	94,848	42,187	44.5*
Mountain Plains	623,362	309,070	49.6*
Colorado	161,362	87,529	54.2
Kansas	92,727	46,951	50.6*
Missouri	210,848	90,657	43.0*
Montana	32,628	14,002	42.9*
Nebraska	61,410	36,599	59.6
North Dakota	20,382	10,508	51.6
South Dakota	26,349	15,153	57.5
Wyoming	17,656	7,671	43.4*
Western	1,978,290	1,315,835	66.5*
Alaska	27,897	14,037	50.3*
California	1,342,261	972,105	72.4*
Hawaii	44,888	25,712	57.3
Idaho	68,498	30,758	44.9*
Nevada	112,145	53,534	47.7*
Oregon	122,873	77,520	63.1*
Washington	236,727	129,668	54.8
Total	11,829,215	6,631,309	56.1

Note: State and FNS Region 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 Region totals.

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 and the Puerto Rico Community Survey data, which included data only for the States and Puerto Rico. It did not include data for the other U.S. territories served by WIC.

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.3. Number of individuals eligible for WIC, number participating, and coverage rate by FNS Region and participant category: CY 2023

FNS Region	Infants	Children	Pregnant women	Postpartum women	Total
Number eligible					
Northeast	163,121	679,194	98,256	123,870	1,064,441
Mid-Atlantic	199,962	878,931	123,563	149,494	1,351,951
Southeast	406,260	1,742,117	252,525	289,441	2,690,342
Midwest	261,702	1,159,476	162,574	187,501	1,771,253
Southwest	370,897	1,495,818	221,876	260,983	2,349,574
Mountain Plains	92,982	404,410	56,641	69,330	623,362
Western	301,897	1,266,192	176,040	234,161	1,978,290
Total	**1,796,821**	**7,626,138**	**1,091,474**	**1,314,781**	**11,829,215**
Number participating					
Northeast	135,358	383,036	47,501	90,375	656,270
Mid-Atlantic	159,134	415,803	57,437	102,938	735,312
Southeast	339,791	746,430	122,018	197,130	1,405,369
Midwest	219,311	523,848	74,336	131,439	948,934
Southwest	306,918	630,063	109,179	214,359	1,260,519
Mountain Plains	71,086	167,813	25,248	44,923	309,070
Western	247,556	789,086	102,613	176,580	1,315,835
Total	**1,479,155**	**3,656,078**	**538,332**	**957,744**	**6,631,309**
Coverage rate (%)					
Northeast	83.0	56.4[*]	48.3	73.0	61.7[*]
Mid-Atlantic	79.6	47.3	46.5[*]	68.9	54.4
Southeast	83.6	42.8[*]	48.3	68.1	52.2[*]
Midwest	83.8	45.2[*]	45.7[*]	70.1	53.6[*]
Southwest	82.8	42.1[*]	49.2	82.1[*]	53.6[*]
Mountain Plains	76.5	41.5[*]	44.6[*]	64.8[*]	49.6[*]
Western	82.0	62.3[*]	58.3[*]	75.4	66.5[*]
Total	**82.3**	**47.9**	**49.3**	**72.8**	**56.1**

Note: Regional eligibility estimates and participant data include individuals in ITOs who were eligible for WIC or receiving WIC.

CY = calendar year; FNS = Food and Nutrition Service; ITO = Indian Tribal Organization

[*] Indicates a statistically significant difference between the regional coverage rate and the national coverage rate at the 95 percent confidence level

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.4. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by State and FNS Region: CY 2023

State/FNS Region	Number eligible	Standard error	Coefficient of variation (%)
State			
Alabama	217,424	4,868	2.2
Alaska	27,897	1,513	5.4
Arizona	251,856	4,337	1.7
Arkansas	137,464	3,913	2.8
California	1,342,261	10,977	0.8
Colorado	161,362	4,472	2.8
Connecticut	100,229	2,605	2.6
Delaware	33,370	2,034	6.1
District of Columbia	19,833	1,621	8.2
Florida	797,695	8,664	1.1
Georgia	452,426	6,095	1.3
Hawaii	44,888	2,195	4.9
Idaho	68,498	2,573	3.8
Illinois	374,310	6,527	1.7
Indiana	252,916	4,894	1.9
Iowa	106,440	3,605	3.4
Kansas	92,727	2,785	3.0
Kentucky	181,150	3,947	2.2
Louisiana	230,008	3,909	1.7
Maine	32,774	1,899	5.8
Maryland	198,551	4,333	2.2
Massachusetts	180,935	4,328	2.4
Michigan	325,382	5,611	1.7
Minnesota	159,569	5,196	3.3
Mississippi	140,088	3,281	2.3
Missouri	210,848	4,068	1.9
Montana	32,628	1,723	5.3
Nebraska	61,410	2,569	4.2
Nevada	112,145	3,131	2.8
New Hampshire	26,565	1,814	6.8
New Jersey	280,003	5,842	2.1
New Mexico	88,623	2,510	2.8
New York	675,156	7,733	1.1
North Carolina	408,500	5,658	1.4
North Dakota	20,382	1,625	8.0
Ohio	390,500	4,742	1.2
Oklahoma	182,481	4,189	2.3
Oregon	122,873	3,261	2.7

State/FNS Region	Number eligible	Standard error	Coefficient of variation (%)
Pennsylvania	399,427	6,440	1.6
Puerto Rico	103,225	1,992	1.9
Rhode Island	28,988	1,708	5.9
South Carolina	214,663	4,332	2.0
South Dakota	26,349	1,642	6.2
Tennessee	278,397	4,903	1.8
Texas	1,364,294	9,072	0.7
Utah	94,848	3,230	3.4
Vermont	13,548	1,253	9.2
Virginia	254,803	5,133	2.0
Washington	236,727	4,264	1.8
West Virginia	62,738	2,116	3.4
Wisconsin	162,136	4,331	2.7
Wyoming	17,656	1,267	7.2
FNS Region			
Northeast	1,058,195	10,582	1.0
Mid-Atlantic	1,351,951	11,277	0.8
Southeast	2,690,342	12,920	0.5
Midwest	1,771,253	12,805	0.7
Southwest	2,349,574	12,009	0.5
Mountain Plains	623,362	7,632	1.2
Western	1,955,289	11,229	0.6
Total	**11,799,967**	**165,769**	**1.4**

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. State and FNS Region eligibility estimates include individuals in ITOs who were eligible for WIC. Estimates for U.S. territories other than Puerto Rico are not included in regional totals or standard errors.

CY = calendar year; FNS = Food and Nutrition Service; ITO = Indian Tribal Organization

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

Table D.5. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by FNS Region and States in each Region: CY 2023

FNS Region and State	Number eligible	Standard error	Coefficient of variation (%)
Northeast	1,058,195	10,582	1.0
Connecticut	100,229	2,605	2.6
Maine	32,774	1,899	5.8
Massachusetts	180,935	4,328	2.4
New Hampshire	26,565	1,814	6.8
New York	675,156	7,733	1.1
Rhode Island	28,988	1,708	5.9
Vermont	13,548	1,253	9.2
Mid-Atlantic	1,351,951	11,277	0.8
Delaware	33,370	2,034	6.1
District of Columbia	19,833	1,621	8.2
Maryland	198,551	4,333	2.2
New Jersey	280,003	5,842	2.1
Pennsylvania	399,427	6,440	1.6
Puerto Rico	103,225	1,992	1.9
Virginia	254,803	5,133	2.0
West Virginia	62,738	2,116	3.4
Southeast	2,690,342	12,920	0.5
Alabama	217,424	4,868	2.2
Florida	797,695	8,664	1.1
Georgia	452,426	6,095	1.3
Kentucky	181,150	3,947	2.2
Mississippi	140,088	3,281	2.3
North Carolina	408,500	5,658	1.4
South Carolina	214,663	4,332	2.0
Tennessee	278,397	4,903	1.8
Midwest	1,771,253	12,805	0.7
Illinois	374,310	6,527	1.7
Indiana	252,916	4,894	1.9
Iowa	106,440	3,605	3.4
Michigan	325,382	5,611	1.7
Minnesota	159,569	5,196	3.3
Ohio	390,500	4,742	1.2
Wisconsin	162,136	4,331	2.7

FNS Region and State	Number eligible	Standard error	Coefficient of variation (%)
Southwest	2,349,574	12,009	0.5
Arizona	251,856	4,337	1.7
Arkansas	137,464	3,913	2.8
Louisiana	230,008	3,909	1.7
New Mexico	88,623	2,510	2.8
Oklahoma	182,481	4,189	2.3
Texas	1,364,294	9,072	0.7
Utah	94,848	3,230	3.4
Mountain Plains	623,362	7,632	1.2
Colorado	161,362	4,472	2.8
Kansas	92,727	2,785	3.0
Missouri	210,848	4,068	1.9
Montana	32,628	1,723	5.3
Nebraska	61,410	2,569	4.2
North Dakota	20,382	1,625	8.0
South Dakota	26,349	1,642	6.2
Wyoming	17,656	1,267	7.2
Western	1,955,289	11,229	0.6
Alaska	27,897	1,513	5.4
California	1,342,261	10,977	0.8
Hawaii	44,888	2,195	4.9
Idaho	68,498	2,573	3.8
Nevada	112,145	3,131	2.8
Oregon	122,873	3,261	2.7
Washington	236,727	4,264	1.8
Total	**11,799,967**	**165,769**	**1.4**

Note: State and FNS Region eligibility estimates include individuals in Indian Tribal Organizations who were eligible for WIC. Estimates for U.S. territories other than Puerto Rico 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 D.6. Standard errors and coefficients of variation for estimated number of individuals eligible for WIC by FNS Region and participant category: CY 2023

FNS Region	Infants	Children	Pregnant women	Postpartum women	Total
Number eligible					
Northeast	162,148	675,242	97,617	123,189	1,058,195
Mid-Atlantic	199,962	878,931	123,563	149,494	1,351,951
Southeast	406,260	1,742,117	252,525	289,441	2,690,342
Midwest	261,702	1,159,476	162,574	187,501	1,771,253
Southwest	370,897	1,495,818	221,876	260,983	2,349,574
Mountain Plains	92,982	404,410	56,641	69,330	623,362
Western	298,173	1,251,968	173,594	231,553	1,955,289
Total	**1,792,124**	**7,607,962**	**1,088,389**	**1,311,492**	**11,799,967**
Standard error					
Northeast	4,407	6,595	2,642	3,335	10,582
Mid-Atlantic	5,045	8,373	3,164	3,738	11,277
Southeast	6,231	10,174	3,835	4,473	12,920
Midwest	4,944	8,971	3,096	3,539	12,805
Southwest	4,573	9,121	2,750	3,239	12,009
Mountain Plains	2,909	6,061	1,752	2,168	7,632
Western	4,537	7,245	2,665	3,480	11,229
Total	**69,105**	**112,082**	**11,488**	**50,528**	**165,769**
Coefficient of variation (%)					
Northeast	2.7	1.0	2.7	2.7	1.0
Mid-Atlantic	2.5	1.0	2.6	2.5	0.8
Southeast	1.5	0.6	1.5	1.5	0.5
Midwest	1.9	0.8	1.9	1.9	0.7
Southwest	1.2	0.6	1.2	1.2	0.5
Mountain Plains	3.1	1.5	3.1	3.1	1.2
Western	1.5	0.6	1.5	1.5	0.6
Total	**3.9**	**1.5**	**1.1**	**3.9**	**1.4**

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. Estimates for U.S. territories other than Puerto Rico 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 D.7a. Adjustments for calculating the average monthly number of individuals eligible for WIC in Puerto Rico by participant category: CY 2023

Step for Puerto Rico	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum breastfeeding women	Postpartum non-breastfeeding women	Total
Estimating infants and children										
Total number of infants/children in PRCS	17,724	76,671	15,817	20,191	20,605	20,058	_	_	_	94,395
Number after adjustment for PRCS undercount/ overcount	18,683	78,298	19,361	18,216	19,679	21,042	_	_	_	96,981
Number with annual income <= 185 percent of FPG	14,484	58,952	14,085	14,510	14,322	16,035	_	_	_	73,436
Number adjunctively income-eligible and with annual income > 185 percent of FPG[a]	1,771	5,795	1,583	1,114	1,313	1,785	_	_	_	7,566
Through SNAP	972	3,870	1,009	602	1,050	1,209	_	_	_	4,842
Through TANF	54	128	0	128	0	0	_	_	_	181
Through Medicaid	746	1,797	574	384	263	576	_	_	_	2,543
Total number income and adjunctively income-eligible	16,255	64,746	15,668	15,624	15,635	17,820	_	_	_	81,002
Number after adjustment for monthly income and certification periods	16,280	64,746	15,668	15,624	15,635	17,820	_	_	_	81,026
Total number eligible: number after adjustment for nutritional risk (infants and children)	16,280	64,746	15,668	15,624	15,635	17,820	_	_	_	81,026

Step for Puerto Rico	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum breastfeeding women	Postpartum non-breastfeeding women	Total
					Estimating pregnant and postpartum women					
Estimated population of infants: Starting point for pregnant and postpartum women[b]	–	–	–	–	–	–	16,280	16,280	16,280	48,839
Number after adjustment for length of pregnancy and income of woman during pregnancy	–	–	–	–	–	–	10,745	–	–	10,745
Number after adjustment for multiple births and infant deaths	–	–	–	–	–	–	10,745	16,280	16,280	43,304
Number after adjustment for breastfeeding	–	–	–	–	–	–	–	7,814	3,640	11,454
Total number eligible: number after adjustment for nutritional risk (pregnant and postpartum women)	–	–	–	–	–	–	10,745	7,814	3,640	22,199
Total number eligible in Puerto Rico	16,280	64,746	15,668	15,624	15,635	17,820	10,745	7,814	3,640	103,225

Note: CY = calendar year; FPG = Federal Poverty Guidelines; PRCS = Puerto Rico Community Survey; NAP = 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.

[b] The starting point for estimates of pregnant and postpartum women in Puerto Rico is the number of infants estimated to be eligible for WIC.

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Source: IPUMS-USA, n.d.

Table D.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 2023

Step for other U.S. territories	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum breastfeeding women	Postpartum non-breastfeeding women	Total
Estimating infants and children										
Total number of infants/children in the other U.S. territories	**5,777**	**23,165**	**5,790**	**5,785**	**5,781**	**5,809**	–	–	–	**28,942**
Number after other territories' full-eligibility factor	4,690	18,176	4,543	4,539	4,536	4,558	–	–	–	22,866
Number after monthly income adjustment	4,697	18,176	4,543	4,539	4,536	4,558	–	–	–	22,873
Total number eligible: number after adjustment for nutritional risk (infants and children)	**4,697**	**18,176**	**4,543**	**4,539**	**4,536**	**4,558**	–	–	–	**22,873**
Estimating pregnant and postpartum women										
Estimated population of infants: Starting point for pregnant and postpartum women[a]	–	–	–	–	–	–	4,697	4,697	4,697	14,091
Number after adjustment for length of pregnancy and income of woman during pregnancy	–	–	–	–	–	–	3,100	–	–	3,100
Number after adjustment for multiple births and infant deaths	–	–	–	–	–	–	3,085	4,675	4,675	12,434

Step for other U.S. territories	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum breastfeeding women	Postpartum non-breastfeeding women	Total
Number after adjustment for breastfeeding	–	–	–	–	–	–	–	2,244	1,045	3,289
Total number eligible: number after adjustment for nutritional risk (pregnant and postpartum women)	–	–	–	–	–	–	3,085	2,244	1,045	6,374
Total number eligible in U.S. territories other than Puerto Rico	4,697	18,176	4,543	4,539	4,536	4,558	3,085	2,244	1,045	29,247
Total eligibility for Puerto Rico and other U.S. territories	20,977	82,922	20,211	20,163	20,171	22,378	13,830	10,058	4,685	132,473

Note: CY = calendar year
– denotes blank cells
[a] The starting point for estimates of pregnant and postpartum women in the U.S. territories other than Puerto Rico is the number of infants estimated to be eligible for WIC.
Source: U.S. Census Bureau, n.d.-b

Table D.8. Regional estimates of the average monthly percentage of infants and children eligible for WIC by demographic and income characteristics (fully adjusted weights): CY 2023

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	87,939	665,764	753,702	191,876	813,009	1,004,885	369,654	1,667,044	2,036,698	303,624	1,110,282	1,413,906
Sex (%)												
Male	40.3	48.2	47.3	58.5	53.5	54.5	58.7	52.9	54.0	48.0	51.9	51.1
Female	59.7	51.8	52.7	41.5	46.5	45.5	41.3	47.1	46.0	52.0	48.1	48.9
Race (%)												
Black	20.3	23.3	23.0	22.1	27.5	26.4	33.2	36.6	35.9	26.2	30.6	29.6
White	74.6	59.5	61.2	73.9	58.1	61.1	54.3	52.6	52.9	59.3	58.2	58.4
Another race[a]	5.2	17.2	15.8	4.0	14.4	12.4	12.5	10.8	11.1	14.6	11.3	12.0
Hispanic ethnicity (%)												
Hispanic/Latino	23.0	26.2	25.9	22.3	29.9	28.5	29.0	24.5	25.3	23.5	21.9	22.3
Not Hispanic/Latino	77.0	73.8	74.1	77.7	70.1	71.5	71.0	75.5	74.7	76.5	78.1	77.7
Living arrangement (%)												
Two-parent family	63.1	70.4	69.6	63.1	64.3	64.1	57.5	58.5	58.4	60.3	55.6	56.6
Single-parent family	30.5	25.6	26.1	32.7	31.2	31.5	39.0	34.5	35.3	33.5	37.3	36.4
No-parent family	6.4	4.0	4.3	4.3	4.4	4.4	3.5	6.9	6.3	6.3	7.1	6.9
Related nonparent caretaker	6.4	2.4	2.8	0.0	2.8	2.3	2.3	5.4	4.8	1.6	4.1	3.5
Unrelated nonparent caretaker	0.0	1.6	1.5	4.3	1.6	2.1	1.2	1.5	1.5	4.7	3.1	3.4
Military status of household members (%)												
Ever served in U.S. military	5.2	2.6	2.9	2.3	5.4	4.8	3.4	5.3	5.0	3.2	4.1	3.9
Serving in U.S. military in 2023[b]	0.4	1.9	1.7	0.0	5.8	4.7	3.5	1.9	2.2	0.0	0.4	0.3
Number of individuals in household (%)												
2	6.1	3.8	4.1	0.5	2.8	2.3	6.6	5.0	5.3	4.8	2.5	3.0
3	34.3	21.5	23.0	17.3	17.3	17.3	26.4	17.6	19.2	24.9	18.2	19.7
4	30.0	25.7	26.2	31.9	25.1	26.4	18.5	29.7	27.7	22.4	29.7	28.2

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
5	22.2	22.6	22.6	23.6	26.8	26.2	21.7	22.0	22.0	27.1	20.2	21.7
6 or more	7.4	26.3	24.1	26.7	28.1	27.8	26.9	25.7	25.9	20.8	29.3	27.5
Households with working parent(s) (%)												
Percent with working parent(s)	80.0	81.8	81.6	78.6	78.6	78.6	69.1	77.3	75.8	75.7	73.2	73.8
Annual family income relative to FPG (%)												
No income	0.0	2.6	2.3	4.3	4.6	4.6	7.4	4.4	5.0	7.7	4.4	5.1
Up to 50 percent of FPG	9.0	9.1	9.1	8.7	9.0	8.9	8.3	6.1	6.5	9.8	12.5	11.9
More than 50 percent up to 100 percent of FPG	9.5	14.1	13.6	26.3	18.2	19.7	6.4	13.0	11.8	4.2	16.7	14.0
More than 100 percent up to 130 percent of FPG	7.0	7.2	7.1	12.8	8.1	9.0	23.8	14.9	16.5	5.2	13.1	11.4
More than 130 percent up to 150 percent of FPG	17.3	9.8	10.7	1.7	9.4	7.9	10.0	13.0	12.5	5.4	5.4	5.4
More than 150 percent up to 185 percent of FPG	6.2	10.0	9.5	10.4	13.6	13.0	19.8	14.6	15.5	19.0	12.9	14.2
More than 185 percent up to 200 percent of FPG	14.6	6.6	7.5	3.1	5.4	5.0	2.0	3.7	3.4	6.1	3.4	4.0
More than 200 percent of FPG	36.4	40.6	40.1	32.8	31.7	31.9	22.3	30.3	28.9	42.5	31.6	33.9
Receipt of other benefits (%)												
No benefit receipt	7.3	2.5	3.0	14.1	11.2	11.7	18.6	18.4	18.4	14.1	7.8	9.1
Medicaid, SNAP and TANF	9.9	5.1	5.7	2.8	2.9	2.9	1.6	2.3	2.2	4.8	6.3	6.0
SNAP and TANF only	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.2	0.0	0.0	0.0
Medicaid and SNAP only	45.9	46.3	46.2	25.8	44.3	40.8	30.3	28.4	28.7	35.9	46.9	44.5
Medicaid and TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
SNAP only	0.0	3.1	2.7	12.9	6.8	7.9	15.0	11.3	12.0	4.9	5.7	5.5
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	36.9	43.1	42.3	44.4	34.8	36.7	33.4	39.6	38.5	40.3	33.0	34.6

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	345,348	1,247,641	1,592,989	128,217	471,926	600,143	349,186	1,567,550	1,916,736	1,775,844	7,543,216	9,319,060
Sex (%)												
Male	42.8	50.1	48.5	31.4	57.6	52.0	49.8	49.3	49.4	49.1	51.5	51.1
Female	57.2	49.9	51.5	68.6	42.4	48.0	50.2	50.7	50.6	50.9	48.5	48.9
Race (%)												
Black	15.7	23.6	21.9	13.8	19.0	17.9	7.8	7.9	7.9	20.4	24.3	23.6
White	71.8	64.8	66.3	73.5	71.3	71.7	66.6	69.8	69.3	65.5	61.4	62.2
Another race[a]	12.5	11.6	11.8	12.7	9.7	10.4	25.6	22.2	22.8	14.2	14.3	14.3
Hispanic ethnicity (%)												
Hispanic/Latino	48.4	47.7	47.9	27.6	24.8	25.4	63.5	58.5	59.4	37.5	35.8	36.1
Not Hispanic/Latino	51.6	52.3	52.1	72.4	75.2	74.6	36.5	41.5	40.6	62.5	64.2	63.9
Living arrangement (%)												
Two-parent family	56.7	57.9	57.7	68.7	68.7	68.7	69.7	65.4	66.2	61.9	61.8	61.8
Single-parent family	38.0	36.1	36.5	24.2	29.3	28.2	25.7	27.7	27.3	33.1	32.3	32.4
No-parent family	5.3	6.0	5.8	7.1	2.1	3.1	4.6	6.9	6.5	5.0	5.9	5.8
Related nonparent caretaker	2.6	4.7	4.2	4.5	1.0	1.7	1.1	4.2	3.6	2.1	4.0	3.6
Unrelated nonparent caretaker	2.7	1.3	1.6	2.6	1.1	1.4	3.4	2.7	2.8	2.9	1.9	2.1
Military status of household members (%)												
Ever served in U.S. military	2.9	5.0	4.6	4.0	4.6	4.5	3.3	3.1	3.1	3.3	4.4	4.2
Serving in U.S. military in 2023[b]	5.8	2.5	3.2	1.1	1.2	1.1	2.8	1.5	1.7	2.5	2.1	2.1

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
Number of individuals in household (%)												
2	5.9	3.5	4.0	3.0	5.4	4.9	5.8	2.0	2.7	5.0	3.4	3.7
3	29.0	15.8	18.7	33.2	13.5	17.7	18.3	15.1	15.7	25.0	16.9	18.5
4	25.8	28.0	27.5	21.4	29.1	27.5	22.6	32.4	30.6	23.6	29.1	28.0
5	10.6	23.8	20.9	20.3	22.5	22.1	19.9	22.4	21.9	20.2	22.7	22.2
6 or more	28.7	28.9	28.8	22.2	29.4	27.8	33.4	28.2	29.2	26.1	27.8	27.5
Households with working parent(s) (%)												
Percent with working parent(s)	69.1	76.0	74.5	89.1	83.3	84.5	77.0	75.5	75.8	74.8	77.0	76.6
Annual family income relative to FPG (%)												
No income	5.7	5.2	5.3	2.9	1.8	2.0	5.7	4.6	4.8	5.8	4.3	4.6
Up to 50 percent of FPG	16.8	9.1	10.8	11.6	9.2	9.8	6.0	7.2	7.0	10.1	8.6	8.8
More than 50 percent up to 100 percent of FPG	19.1	19.1	19.1	14.0	13.1	13.3	10.6	11.8	11.6	12.2	15.0	14.4
More than 100 percent up to 130 percent of FPG	6.5	12.9	11.5	12.5	11.3	11.6	11.4	10.5	10.6	12.0	11.7	11.8
More than 130 percent up to 150 percent of FPG	5.6	6.8	6.5	11.6	7.5	8.4	9.6	6.6	7.2	7.9	8.5	8.4
More than 150 percent up to 185 percent of FPG	15.4	11.3	12.2	10.4	15.7	14.6	12.7	12.2	12.3	15.1	12.9	13.3
More than 185 percent up to 200 percent of FPG	4.1	3.2	3.4	9.1	3.3	4.6	6.5	5.1	5.3	5.3	4.3	4.5
More than 200 percent of FPG	26.9	32.3	31.1	28.0	38.0	35.8	37.3	42.0	41.1	31.8	34.8	34.2

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
Receipt of other benefits (%)												
No benefit receipt	17.8	10.2	11.9	20.4	12.7	14.3	7.2	7.0	7.1	14.5	10.6	11.3
Medicaid, SNAP and TANF	0.0	2.9	2.3	2.4	1.8	1.9	5.2	5.8	5.7	3.2	4.0	3.8
SNAP and TANF only	0.0	0.0	0.0	2.5	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.1
Medicaid and SNAP only	33.7	32.3	32.6	28.7	31.0	30.5	23.4	35.9	33.6	30.7	36.8	35.6
Medicaid and TANF only	0.0	0.2	0.1	0.0	0.4	0.3	1.3	1.7	1.6	0.3	0.5	0.4
SNAP only	17.9	12.2	13.4	2.4	4.3	3.9	14.5	5.5	7.1	11.8	7.8	8.5
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	30.6	42.1	39.6	43.7	49.9	48.6	48.3	44.1	44.9	39.1	40.4	40.2

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 Vital Statistics estimates, monthly income, or nutritional risk. This table does not include estimates for the 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] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

[b] 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.

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

Table D.9a. WIC coverage rate (percentage) for total eligible individuals by State: CY 2016–CY 2023

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Total	**54.2**	**1.0**	**52.3**	**1.1**	**53.2**	**1.1**	**52.3**	**2.4**	**52.0**	**2.3**	**51.2**	**1.3**	**53.5**	**1.4**	**56.1**	**1.4**
Alabama	56.1	2.0	53.7	2.1	54.9	2.3	55.8	2.6	56.2	2.0	49.8	2.8	49.9	2.5	51.4	2.2
Alaska	45.9	6.6	40.4	6.4	49.3	6.3	47.0	6.2	49.8	5.1	51.3	10.7	53.2	6.5	50.3	5.4
Arizona	52.1	2.0	48.4	1.9	49.7	2.0	51.0	2.1	53.7	1.9	51.7	3.0	54.8	2.4	59.5	1.7
Arkansas	48.5	2.4	48.3	2.7	48.2	2.4	42.8	2.5	36.2	2.2	35.0	3.1	40.4	2.9	45.7	2.9
California	64.3	1.2	60.2	1.3	62.6	1.4	62.2	1.3	64.5	1.1	66.5	2.3	69.7	1.6	72.4	0.8
Colorado	43.7	2.6	44.0	2.5	48.1	2.7	49.9	2.6	46.8	2.0	45.8	2.7	46.6	2.8	54.2	2.8
Connecticut	48.0	3.0	47.5	3.6	48.2	3.3	47.3	3.2	45.8	2.5	46.1	3.5	47.2	2.8	48.1	2.6
Delaware	48.9	5.0	45.5	6.2	45.5	5.6	45.8	5.7	43.4	3.6	47.6	5.3	56.5	5.8	61.5	6.2
District of Columbia	50.8	4.6	43.9	5.1	41.3	6.0	50.2	5.6	61.6	6.4	59.4	6.7	46.7	6.7	59.0	8.2
Florida	53.4	1.5	52.2	1.4	53.5	1.5	53.6	1.5	52.5	1.4	49.1	1.9	52.6	1.8	52.9	1.1
Georgia	49.4	1.6	47.0	1.8	46.6	1.9	47.3	1.7	42.1	1.5	40.4	2.3	40.6	2.0	47.7	1.3
Hawaii	55.8	4.3	46.1	3.9	53.2	4.4	54.0	4.7	54.8	3.8	56.4	12.2	60.8	4.7	57.3	4.9
Idaho	45.4	3.9	43.5	3.4	46.1	4.0	41.4	4.4	44.4	3.9	44.2	4.4	45.2	4.1	44.9	3.7
Illinois	43.2	1.5	42.7	1.7	43.9	1.8	43.3	1.8	38.6	1.5	36.3	2.3	39.4	2.2	44.3	1.7
Indiana	53.1	2.2	52.8	2.0	55.5	2.4	56.1	2.4	61.2	1.9	60.8	2.8	59.8	2.2	58.3	1.9
Iowa	46.8	3.4	50.7	3.3	56.0	3.4	53.8	3.7	54.5	2.6	55.0	3.7	54.7	3.6	54.3	3.4
Kansas	53.1	3.1	49.0	3.4	47.5	3.1	48.8	3.4	48.3	2.5	45.7	4.2	46.4	3.4	50.6	3.0
Kentucky	55.0	2.4	52.1	2.4	51.9	2.4	49.1	2.3	56.5	2.0	59.2	2.6	62.6	2.4	62.1	2.2
Louisiana	50.2	2.0	47.2	2.0	44.6	2.3	42.8	2.2	40.1	2.1	37.2	2.5	36.8	2.4	41.3	1.7
Maine	52.9	7.1	49.6	5.9	54.6	5.5	49.5	5.9	47.5	4.9	54.7	5.5	57.6	5.9	55.2	5.8
Maryland	64.8	2.5	64.8	2.7	63.5	2.6	60.2	2.7	61.3	2.2	55.4	2.8	58.3	2.6	61.2	2.2
Massachusetts	54.6	2.3	53.5	2.4	56.3	2.7	55.6	2.3	59.5	1.9	61.2	2.8	65.1	2.7	68.7	2.4
Michigan	56.1	1.8	54.9	1.9	58.3	1.9	60.3	2.1	62.6	1.8	58.7	2.8	61.5	2.0	62.6	1.7
Minnesota	59.2	2.7	58.5	2.8	60.3	2.9	59.3	3.4	62.4	2.5	61.5	4.8	65.7	3.7	66.2	3.3
Mississippi	49.2	2.2	53.6	2.1	57.1	2.4	54.5	2.7	52.8	2.1	46.6	3.0	45.7	2.9	45.6	2.4

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Missouri	52.2	2.2	49.2	2.2	50.4	2.2	48.8	2.6	45.0	2.0	39.5	2.7	40.8	2.5	43.0	1.9
Montana	40.9	5.3	38.4	4.3	43.1	5.3	41.1	5.7	40.8	4.7	43.3	6.7	47.2	6.6	42.9	5.3
Nebraska	50.5	3.6	53.4	3.5	51.9	4.3	51.8	4.1	55.4	4.1	58.2	5.2	62.9	5.1	59.6	4.1
Nevada	55.8	3.3	52.6	3.0	51.0	3.2	53.8	3.2	49.9	2.4	48.0	3.9	47.0	3.3	47.7	2.8
New Hampshire	41.7	5.4	42.8	7.1	39.0	6.6	40.1	7.0	44.7	5.8	53.6	7.4	49.0	7.2	49.5	6.9
New Jersey	52.6	2.0	51.8	2.0	52.5	2.1	52.3	2.4	50.2	1.7	50.5	2.4	52.8	2.5	58.3	2.1
New Mexico	43.3	2.8	42.5	2.9	41.1	2.9	37.9	2.8	40.1	2.6	34.6	3.6	39.1	3.3	43.9	2.8
New York	54.7	1.5	53.3	1.5	54.7	1.6	52.0	1.7	51.9	1.4	52.7	2.6	58.5	1.9	62.4	1.1
North Carolina	52.7	1.6	52.0	1.7	52.5	1.8	51.9	1.9	59.3	1.6	61.7	2.5	64.0	2.0	61.8	1.4
North Dakota	51.8	7.4	59.2	8.5	57.5	7.4	49.3	8.2	49.4	7.2	53.2	10.2	53.8	9.2	51.6	8.3
Ohio	49.9	1.7	49.1	1.8	48.3	1.7	46.2	2.0	43.4	1.6	38.9	2.5	41.3	2.0	45.5	1.2
Oklahoma	53.1	2.4	51.2	2.4	53.9	2.5	52.7	2.6	52.0	2.0	51.7	4.2	51.8	2.7	54.2	2.3
Oregon	53.2	2.5	54.1	2.7	58.7	2.7	58.6	2.7	57.2	2.1	61.0	3.9	60.6	3.0	63.1	2.7
Pennsylvania	51.8	1.8	50.7	1.9	51.9	2.1	49.4	2.0	45.8	1.5	41.0	2.3	40.9	2.3	43.7	1.6
Puerto Rico	84.5	2.3	83.4	1.8	85.8	2.1	79.3	1.9	90.4	3.0	88.4	2.4	80.7	2.5	83.8	1.9
Rhode Island	59.9	5.5	58.5	4.8	54.3	4.3	54.3	4.7	54.9	4.5	54.4	5.4	54.2	5.7	60.6	5.9
South Carolina	46.8	2.0	43.5	2.2	43.1	1.9	40.0	2.1	40.4	2.1	40.9	2.8	42.1	2.4	44.3	2.0
South Dakota	50.2	5.9	48.6	6.1	54.8	6.2	48.9	6.6	49.7	5.0	53.9	8.3	57.1	6.9	57.5	6.3
Tennessee	44.7	1.9	44.0	1.8	43.3	2.0	38.5	1.9	40.3	1.9	41.0	2.5	43.7	2.2	47.4	1.8
Texas	57.4	1.3	55.0	1.2	52.4	1.4	53.1	1.3	50.6	1.2	49.6	1.6	53.1	1.6	56.7	0.7
Utah	47.9	3.6	40.8	3.2	49.8	3.7	46.2	4.2	40.6	3.0	36.6	3.5	40.5	4.0	44.5	3.4
Vermont	57.5	7.4	52.7	7.7	66.4	7.1	69.7	7.7	60.9	4.9	71.6	6.8	72.6	8.7	79.6	9.3
Virginia	48.6	2.2	46.2	2.4	46.0	2.2	46.4	2.3	45.5	2.1	48.8	3.4	49.6	2.4	47.2	2.0

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Washington	54.4	2.0	49.9	2.1	51.7	2.2	47.7	2.0	47.8	1.9	49.3	3.5	52.9	2.1	54.8	1.8
West Virginia	53.3	3.6	50.4	3.5	48.4	3.3	47.5	3.7	46.6	2.9	51.2	4.2	56.7	3.9	59.2	3.4
Wisconsin	49.3	2.5	48.6	2.7	53.0	2.5	52.3	3.0	52.4	2.2	52.5	3.1	54.3	3.1	56.0	2.7
Wyoming	50.5	9.0	50.3	7.9	49.2	6.9	50.8	7.8	46.2	6.2	43.6	6.9	45.3	7.3	43.4	7.2

Note: The point estimates for CY 2016–CY 2020 are consistent with the results published in the CY 2021 report (Kessler et al., 2023) but differ from initial results published for those years because of updates to the methodology.
COV = coefficient of variation; CY = calendar year
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.9b. WIC coverage rate (percentage) for infants by State: CY 2016–CY 2023

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Total	**85.7**	**3.0**	**82.7**	**3.0**	**84.4**	**2.9**	**83.7**	**11.7**	**82.5**	**5.4**	**78.1**	**3.8**	**78.5**	**3.7**	**82.4**	**3.9**
Alabama	93.2	5.3	97.3	5.5	93.9	6.1	97.4	6.5	†	†	84.6	7.3	83.2	6.9	89.0	6.7
Alaska	66.7	12.8	57.0	12.8	75.9	13.4	77.7	15.1	82.3	12.5	78.7	14.3	73.7	15.6	71.7	12.8
Arizona	87.0	5.1	79.7	5.1	80.6	4.9	80.0	5.4	82.4	5.9	77.4	6.3	77.3	6.2	84.4	3.8
Arkansas	87.3	6.4	87.7	6.5	86.7	5.9	79.6	6.4	72.8	6.1	73.6	6.8	74.8	7.3	79.1	7.1
California	90.1	3.4	81.1	3.5	84.9	3.5	85.5	3.3	85.4	3.2	82.4	4.1	83.3	4.1	87.4	2.1
Colorado	69.5	6.5	66.4	5.5	74.3	6.2	74.9	6.3	69.7	5.7	68.1	6.8	66.4	7.0	75.9	6.9
Connecticut	83.8	8.4	89.8	9.5	83.3	7.7	82.6	8.0	82.0	7.4	80.2	8.0	72.2	8.3	70.1	7.5
Delaware	91.2	14.0	76.2	14.3	78.1	13.4	92.9	14.1	79.9	8.6	79.5	15.3	91.8	18.2	93.8	18.3
District of Columbia	†	†	95.3	15.8	82.5	18.3	†	†	†	†	90.3	19.5	66.5	17.1	95.9	18.2
Florida	83.9	4.0	82.7	3.8	84.3	3.7	84.7	3.7	85.2	3.9	75.4	4.6	79.2	4.6	80.1	2.8
Georgia	71.2	4.3	72.6	4.6	84.1	4.7	88.2	4.3	80.1	4.3	65.6	5.0	66.9	5.2	84.0	4.0
Hawaii	93.8	10.0	78.4	10.8	90.9	10.5	95.7	10.2	79.8	9.0	86.0	12.5	76.6	12.1	76.5	11.1
Idaho	66.2	9.6	62.6	8.1	67.7	8.8	63.8	9.9	67.3	9.5	73.3	10.8	69.2	9.7	61.2	8.4
Illinois	80.8	4.1	81.8	4.7	82.3	4.3	80.8	4.3	76.2	4.3	71.4	5.8	72.0	5.6	80.3	4.0
Indiana	88.4	5.4	87.2	5.5	86.1	6.0	86.0	5.6	89.7	4.8	87.7	6.0	88.4	5.7	86.7	4.9
Iowa	66.6	7.3	75.1	7.5	91.9	7.0	84.1	7.5	84.5	6.6	83.1	8.5	81.0	8.6	80.7	6.2
Kansas	84.7	7.3	77.4	7.3	72.1	7.2	77.0	8.3	78.8	6.7	76.3	8.1	69.6	8.2	78.5	8.3
Kentucky	93.7	6.8	86.9	6.4	88.0	6.4	86.5	5.7	91.6	5.4	96.3	6.0	95.3	6.4	90.3	5.7
Louisiana	96.5	5.9	92.5	5.5	83.5	5.9	83.1	5.5	84.8	5.3	73.6	6.5	70.8	6.5	77.7	4.6
Maine	76.9	14.3	74.6	14.6	77.0	12.6	73.0	12.0	64.8	11.7	96.3	12.1	89.9	12.1	77.1	12.7
Maryland	†	†	†	†	†	†	94.8	5.9	96.4	5.8	82.6	6.7	85.9	6.5	91.1	5.1
Massachusetts	79.8	5.9	75.1	5.8	79.3	6.6	77.6	6.0	78.9	5.1	74.9	6.6	75.8	6.8	87.4	5.7
Michigan	88.7	4.7	90.9	5.2	97.3	4.8	96.8	4.8	95.1	4.6	86.0	5.6	90.8	5.6	93.2	5.4
Minnesota	84.1	6.1	86.6	6.7	88.8	7.2	88.6	7.5	92.3	5.8	91.9	8.7	94.9	8.1	95.0	5.9
Mississippi	92.8	6.0	†	†	†	†	96.0	6.0	97.7	5.6	77.2	7.4	76.7	7.0	86.1	6.2
Missouri	91.3	4.9	85.6	5.1	86.0	5.3	82.9	5.5	79.1	5.1	72.1	6.6	75.3	6.4	77.4	5.3

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Montana	70.7	14.1	66.0	11.3	76.2	12.1	68.4	12.6	68.7	12.9	67.5	14.4	70.7	14.4	69.2	12.0
Nebraska	73.8	8.2	84.0	9.5	76.9	8.2	70.0	9.9	76.4	9.7	86.0	12.1	86.3	12.3	77.8	10.5
Nevada	91.4	8.3	83.1	7.5	77.7	7.4	80.8	7.4	75.3	6.5	73.1	8.7	73.1	8.6	71.8	6.9
New Hampshire	66.3	12.7	60.7	15.3	49.0	13.8	51.2	14.4	53.6	10.9	79.3	16.5	62.4	15.7	59.1	17.6
New Jersey	74.6	4.9	75.3	5.1	79.7	5.2	78.1	6.0	71.0	4.8	72.0	6.6	74.4	6.6	82.9	5.0
New Mexico	72.6	8.4	66.4	7.6	64.3	7.9	59.3	8.6	65.0	7.6	56.2	9.1	62.6	8.5	73.7	6.8
New York	81.1	3.9	77.6	3.9	80.7	4.0	79.0	4.3	79.6	3.9	76.5	4.9	81.8	5.0	84.5	3.2
North Carolina	84.7	4.4	84.9	4.8	85.7	4.3	85.2	4.3	89.5	4.6	84.1	5.4	88.5	5.1	91.4	3.7
North Dakota	77.0	14.6	83.8	18.7	74.3	16.0	69.5	15.0	74.8	15.0	87.3	15.2	71.7	19.5	72.9	17.4
Ohio	†	†	†	†	97.4	4.3	96.4	4.5	99.0	4.5	80.9	5.7	68.4	5.3	74.1	3.6
Oklahoma	89.8	6.1	88.1	5.8	93.9	5.5	95.0	6.5	89.3	5.8	90.3	6.6	83.1	6.9	80.6	5.8
Oregon	71.4	5.8	73.8	7.1	84.1	7.3	83.0	7.1	76.5	6.1	84.9	8.5	73.9	7.4	76.4	5.6
Pennsylvania	93.7	4.8	89.2	4.9	88.2	5.2	84.2	5.2	71.9	4.7	66.1	5.9	63.2	6.3	67.5	4.6
Puerto Rico	†	†	98.4	6.9	†	†	94.9	5.9	†	†	†	†	†	†	89.2	5.9
Rhode Island	95.3	11.8	99.4	12.8	77.6	11.7	76.5	12.9	87.6	10.1	88.0	14.0	75.1	15.5	92.0	15.9
South Carolina	91.5	5.5	88.1	6.1	84.0	5.4	77.2	5.6	75.8	5.7	66.6	6.7	67.9	5.9	70.0	5.1
South Dakota	72.5	13.4	68.9	14.6	77.8	14.4	68.4	13.1	73.2	11.7	77.5	13.2	75.5	12.6	85.8	14.0
Tennessee	83.0	5.0	83.3	5.0	83.8	4.8	76.3	4.8	77.0	5.1	73.9	6.2	75.5	5.7	82.7	4.6
Texas	88.9	3.5	83.7	3.5	83.1	3.4	85.8	3.4	82.7	3.4	80.6	4.2	81.6	4.3	85.8	1.6
Utah	67.0	7.7	56.1	7.5	76.9	8.5	64.2	8.4	59.8	6.9	53.0	7.9	56.1	8.3	64.1	7.4
Vermont	60.6	14.9	68.1	18.8	93.3	21.3	87.4	18.9	79.7	12.7	95.8	18.5	92.8	21.9	99.4	25.3
Virginia	85.7	5.6	81.7	6.1	79.7	5.7	80.0	5.7	77.9	5.6	79.4	6.4	80.5	6.4	76.2	5.3

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Washington	74.1	5.2	65.0	5.1	66.7	5.2	63.2	5.6	62.6	5.1	64.9	6.3	67.9	5.9	70.0	4.4
West Virginia	89.1	9.9	82.0	7.7	81.7	7.6	84.1	9.5	74.8	8.0	85.0	10.3	86.8	9.0	88.0	7.2
Wisconsin	79.2	6.0	75.9	6.2	81.3	6.6	84.1	8.2	79.2	6.8	83.0	8.3	81.4	8.1	83.5	6.6
Wyoming	72.7	15.7	91.1	17.5	78.7	16.8	79.4	14.5	68.0	10.8	65.5	13.6	64.4	15.5	59.7	14.4

Note: The point estimates for CY 2016–CY 2020 are consistent with the results published in the CY 2021 report (Kessler et al., 2023) but differ from initial results published for those years because of updates to the methodology.
COV = coefficient of variation; CY = calendar year
[†] Indicates an unreliable coverage rate over 100 percent
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.9c. WIC coverage rate (percentage) for children by State: CY 2016–CY 2023

State	2016 Rate	2016 COV	2017 Rate	2017 COV	2018 Rate	2018 COV	2019 Rate	2019 COV	2020 Rate	2020 COV	2021 Rate	2021 COV	2022 Rate	2022 COV	2023 Rate	2023 COV
Total	**43.5**	**1.2**	**41.8**	**1.2**	**42.6**	**1.2**	**41.7**	**1.8**	**42.6**	**2.5**	**43.2**	**1.4**	**45.9**	**1.5**	**47.9**	**1.5**
Alabama	43.0	2.3	39.2	2.1	41.8	2.1	41.9	2.5	42.6	2.2	39.9	3.0	40.4	2.3	40.6	2.2
Alaska	39.0	6.0	34.7	6.4	41.1	7.4	37.5	6.9	40.3	5.0	44.8	14.9	48.1	6.1	43.9	6.0
Arizona	41.0	2.2	38.4	2.1	40.0	2.1	42.2	2.0	46.5	1.8	46.0	3.7	49.6	2.3	53.5	2.0
Arkansas	34.2	2.5	34.0	2.6	34.1	2.8	29.8	2.8	23.9	2.3	22.6	3.7	29.1	2.8	34.9	2.5
California	55.3	1.4	52.8	1.4	55.3	1.5	54.8	1.4	58.6	1.2	62.8	3.2	66.6	1.6	68.5	0.7
Colorado	34.2	2.7	35.7	2.8	39.0	2.6	41.4	2.8	39.5	2.4	39.0	2.9	40.5	2.7	47.5	3.2
Connecticut	37.9	3.3	35.5	3.5	37.6	3.2	36.8	3.6	36.2	2.8	37.1	4.0	40.7	3.2	42.8	3.2
Delaware	36.4	5.2	35.5	6.0	35.0	5.4	32.9	5.4	33.3	3.9	39.5	4.8	47.6	6.1	53.3	5.3
District of Columbia	32.6	5.5	28.4	5.2	27.6	6.2	31.9	7.3	42.7	5.9	49.0	6.1	39.9	7.7	46.1	9.1
Florida	42.5	1.5	41.2	1.6	42.2	1.7	42.5	1.6	42.1	1.5	40.7	2.4	43.7	1.8	43.9	1.1
Georgia	40.4	1.9	37.0	2.0	33.6	2.1	33.4	1.9	30.4	1.7	32.7	2.8	33.0	2.0	37.2	1.3
Hawaii	43.6	5.0	35.7	4.0	42.3	4.7	41.8	5.4	47.4	4.5	49.4	16.6	56.8	5.4	51.8	4.8
Idaho	38.4	3.4	37.2	3.4	39.2	3.9	33.9	4.2	37.9	3.2	36.7	4.8	39.0	3.6	40.3	3.4
Illinois	31.5	1.8	30.6	1.8	32.0	1.9	31.5	1.9	27.6	1.5	26.4	2.6	30.1	2.2	34.1	1.5
Indiana	41.7	2.4	41.4	2.1	45.2	2.2	46.1	2.8	53.0	2.1	54.0	3.4	52.3	2.5	49.8	2.1
Iowa	40.4	3.4	42.4	3.6	44.8	3.8	44.1	3.6	45.7	2.6	47.3	3.8	47.2	3.4	47.8	3.8
Kansas	43.2	3.3	39.8	3.4	39.4	3.2	39.9	3.7	39.5	2.6	37.6	4.7	40.0	3.4	42.7	2.9
Kentucky	42.7	2.5	40.9	2.7	40.6	2.3	37.3	2.3	46.7	2.1	50.5	3.2	55.4	2.7	55.5	2.3
Louisiana	34.5	2.1	32.2	2.1	30.7	2.3	28.5	2.2	25.3	2.0	23.8	3.1	24.0	2.5	28.1	1.8
Maine	46.4	5.8	42.9	4.7	49.3	5.5	43.8	6.0	44.7	5.2	45.6	6.3	50.9	6.0	51.4	6.1
Maryland	52.2	2.9	50.2	2.7	50.2	2.8	48.5	2.5	50.5	2.1	46.7	3.3	49.5	2.8	52.0	2.6
Massachusetts	46.6	2.5	46.5	2.7	49.2	2.6	48.8	2.5	54.7	2.2	59.4	4.1	64.9	2.7	64.6	2.3
Michigan	46.9	1.9	44.9	2.1	47.5	2.2	49.9	2.3	55.0	1.8	52.8	3.5	54.9	2.1	55.5	1.8
Minnesota	51.4	3.0	50.0	3.2	52.3	3.2	51.1	3.4	54.8	2.8	54.2	5.7	58.0	3.9	58.7	3.5
Mississippi	35.2	2.3	37.7	2.3	42.7	2.3	41.2	2.5	39.9	2.4	38.3	2.8	37.8	2.7	34.6	2.4
Missouri	38.8	2.5	36.5	2.7	37.5	2.5	36.4	2.6	33.4	2.0	29.0	3.0	30.0	2.5	32.1	2.0

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Montana	31.9	4.9	30.5	4.7	34.2	5.1	33.5	6.0	33.7	4.4	38.3	6.8	42.1	5.3	36.0	5.0
Nebraska	43.3	4.2	43.8	4.4	44.1	4.5	46.7	4.4	50.0	4.0	51.6	5.6	57.3	5.1	55.2	5.0
Nevada	44.3	3.2	42.5	3.2	42.4	3.2	45.0	3.1	42.8	2.4	41.4	4.2	39.5	3.6	40.6	2.9
New Hampshire	34.9	5.4	38.0	7.3	37.6	7.1	37.9	6.0	44.4	5.8	48.1	7.1	47.6	6.6	49.3	6.0
New Jersey	45.3	2.4	43.8	2.2	43.5	2.3	43.5	2.6	44.1	2.0	44.3	2.9	46.4	2.4	51.0	2.1
New Mexico	33.2	2.7	33.4	3.5	32.9	3.1	30.3	2.6	31.9	2.7	27.7	4.1	30.9	3.8	33.8	3.8
New York	45.7	1.6	44.8	1.6	45.8	1.6	43.2	1.6	44.0	1.5	46.3	3.6	52.4	1.9	56.7	1.1
North Carolina	41.7	1.9	40.3	1.9	40.8	2.1	40.3	2.0	50.2	1.6	55.9	3.5	57.4	2.1	53.1	1.7
North Dakota	44.2	7.2	52.5	7.9	54.4	8.9	44.0	9.9	42.4	7.1	45.2	12.4	50.5	8.6	46.6	7.5
Ohio	34.5	1.8	33.6	1.9	33.5	1.7	31.1	2.1	28.1	1.7	27.1	3.3	32.7	2.0	36.6	1.4
Oklahoma	40.9	2.5	39.0	2.5	41.4	2.7	39.4	2.5	40.5	2.0	40.9	6.0	42.0	2.6	44.9	2.2
Oregon	47.2	2.6	47.7	2.7	50.9	2.5	51.1	2.7	52.5	2.6	55.6	4.2	58.4	2.9	60.4	2.5
Pennsylvania	40.1	2.1	39.7	2.1	41.4	2.2	39.3	2.0	37.9	1.8	33.6	2.9	34.2	2.1	36.7	1.5
Puerto Rico	80.1	2.2	81.0	1.9	80.7	2.0	76.4	1.6	86.5	2.7	82.0	1.6	76.2	2.1	82.4	2.1
Rhode Island	49.5	6.6	46.4	5.9	48.7	6.1	49.0	5.9	46.6	5.2	45.2	6.1	49.0	6.2	51.7	5.4
South Carolina	32.1	2.2	29.2	2.1	29.2	2.2	27.1	2.3	28.9	2.0	33.3	2.9	35.2	2.3	37.4	2.1
South Dakota	44.1	5.9	43.2	5.8	48.8	7.5	44.4	7.5	44.0	5.0	49.6	11.9	54.9	7.0	50.3	5.6
Tennessee	31.1	2.0	29.9	2.3	29.3	2.5	25.7	2.3	28.2	2.0	30.5	3.1	33.4	2.3	36.1	2.0
Texas	43.8	1.4	42.1	1.5	38.8	1.5	38.5	1.5	36.7	1.3	36.3	2.0	40.2	1.7	43.6	0.8
Utah	41.3	3.7	35.7	3.4	40.6	3.7	39.9	4.1	34.5	2.8	31.9	3.5	35.8	4.0	38.1	3.6
Vermont	60.7	7.7	48.2	5.7	58.5	6.0	65.0	8.0	56.0	6.0	66.4	8.8	68.8	8.6	74.9	7.4
Virginia	36.5	2.5	34.4	2.5	34.9	2.5	35.8	2.4	36.4	2.0	41.3	4.4	42.3	2.4	40.4	2.0

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Washington	47.6	2.1	45.2	2.0	46.9	2.2	42.5	2.3	43.7	1.9	45.5	4.7	48.6	2.4	50.0	1.9
West Virginia	41.1	3.4	39.7	3.5	38.9	3.5	36.7	3.9	39.9	2.9	44.4	4.2	52.1	3.8	53.9	3.8
Wisconsin	40.5	3.2	40.8	2.8	44.6	2.8	43.1	3.1	45.5	2.4	45.0	4.2	47.6	3.0	48.5	2.9
Wyoming	42.7	9.0	37.9	7.0	39.5	7.0	40.7	8.3	39.3	7.0	37.1	8.1	40.1	7.0	38.8	7.9

Note: The point estimates for CY 2016–CY 2020 are consistent with the results published in the CY 2021 report (Kessler et al., 2023) but differ from initial results published for those years because of updates to the methodology.
COV = coefficient of variation; CY = calendar year
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.9d. WIC coverage rate (percentage) for pregnant women by State: CY 2016–CY 2023

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Total	**55.0**	**0.8**	**54.0**	**0.9**	**53.0**	**0.8**	**51.1**	**1.0**	**46.2**	**1.0**	**43.7**	**0.9**	**45.6**	**1.1**	**49.4**	**1.1**
Alabama	66.9	4.4	66.6	4.6	63.9	5.4	65.8	6.0	63.9	5.5	52.0	6.2	50.7	5.8	54.6	6.7
Alaska	48.7	12.4	41.8	12.6	50.0	13.1	53.9	14.8	58.2	12.2	43.4	13.6	44.2	15.6	51.6	13.3
Arizona	47.8	4.1	46.4	4.2	44.8	4.0	41.7	4.7	39.0	5.2	36.5	5.1	40.2	5.1	44.1	4.0
Arkansas	58.0	5.7	57.8	5.9	55.9	5.3	49.5	5.9	38.2	5.5	38.1	5.7	41.3	6.5	48.0	7.3
California	65.4	1.7	62.0	2.0	62.1	2.1	60.1	2.0	58.4	1.7	56.4	2.0	59.7	2.1	64.5	2.1
Colorado	45.4	5.8	44.7	4.8	47.5	5.5	47.9	5.6	39.6	4.9	38.2	5.8	38.4	6.1	45.1	6.9
Connecticut	60.1	7.9	67.3	9.0	62.7	7.2	57.9	7.5	49.6	6.9	50.2	7.0	45.4	7.5	44.9	7.5
Delaware	56.0	13.5	48.1	14.2	47.5	13.3	54.3	13.8	42.4	8.3	42.6	14.1	48.1	18.2	56.4	18.4
District of Columbia	50.4	15.1	39.9	14.9	37.9	18.0	50.7	18.5	58.1	17.0	44.6	19.2	33.1	16.7	46.0	17.8
Florida	54.6	2.7	54.7	2.5	55.1	2.5	52.6	2.6	47.2	2.8	42.6	2.8	45.9	3.0	46.0	2.8
Georgia	36.8	3.1	39.5	3.5	52.5	3.8	52.9	3.3	42.0	3.3	36.5	3.4	35.8	3.9	48.8	4.0
Hawaii	58.3	9.6	51.5	10.4	54.3	10.1	61.4	9.8	53.7	8.7	46.2	11.5	51.6	11.9	51.3	11.2
Idaho	43.4	9.1	40.1	7.5	41.5	8.2	38.3	9.5	33.9	9.1	34.1	9.9	33.7	9.1	34.8	8.4
Illinois	47.6	2.9	46.4	3.6	43.4	3.2	41.8	3.4	36.0	3.3	36.2	4.5	37.6	4.2	44.1	4.1
Indiana	50.1	4.5	49.7	4.7	45.8	5.3	46.4	5.0	44.7	4.0	43.8	4.6	42.9	4.3	44.1	5.0
Iowa	38.8	6.6	45.2	6.7	50.2	6.5	46.5	7.1	41.7	6.1	40.5	7.6	41.5	7.6	42.5	6.4
Kansas	55.1	6.6	53.4	6.8	48.7	6.7	49.8	7.8	46.1	6.2	42.4	7.1	41.3	7.4	48.3	8.1
Kentucky	62.7	6.1	57.9	5.7	53.8	5.7	53.0	5.1	53.8	4.7	49.9	4.8	51.4	5.1	53.3	5.7
Louisiana	57.6	5.1	53.8	4.6	49.9	5.3	46.5	4.9	39.8	4.5	34.5	5.4	34.9	5.5	38.5	4.7
Maine	47.6	14.0	45.9	14.5	45.1	12.3	41.8	11.6	35.5	11.4	48.8	11.1	44.8	11.3	40.1	12.8
Maryland	68.9	5.8	76.7	6.3	71.5	5.5	62.7	5.2	55.7	5.2	51.4	5.5	55.2	5.4	57.2	5.1
Massachusetts	54.4	5.1	52.3	5.1	53.0	5.9	52.1	5.4	48.0	4.3	45.6	5.6	47.5	5.8	55.9	5.9
Michigan	59.3	3.7	59.2	4.4	60.8	3.9	63.5	4.0	56.4	3.7	52.0	4.2	53.7	4.4	57.6	5.3
Minnesota	53.0	5.4	53.5	6.0	51.8	6.6	52.4	7.1	52.0	5.1	50.6	7.8	55.8	7.0	55.6	6.1
Mississippi	50.6	5.2	56.9	5.4	55.1	5.8	49.4	5.4	44.0	4.8	32.7	6.4	31.6	6.1	35.6	6.3
Missouri	57.5	4.0	54.0	4.2	51.9	4.5	50.6	4.9	42.5	4.3	36.5	5.3	40.4	5.1	43.8	5.4

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Montana	44.9	13.7	40.6	11.1	44.4	11.8	41.6	12.4	37.6	12.1	33.0	14.0	38.8	14.1	43.5	12.5
Nebraska	42.6	7.8	47.9	9.0	43.5	7.7	38.9	9.6	39.4	9.3	40.8	11.0	45.4	11.2	43.8	10.3
Nevada	51.1	7.8	46.6	6.9	41.7	6.7	42.9	7.0	36.3	5.9	34.8	8.0	35.7	7.8	36.3	6.9
New Hampshire	41.7	12.3	39.5	15.0	30.0	13.4	33.0	14.0	30.7	10.6	44.1	15.8	33.2	14.9	34.4	17.4
New Jersey	48.1	4.0	50.0	4.4	50.2	4.3	45.1	5.3	35.5	4.0	37.7	5.4	40.8	5.4	46.2	5.1
New Mexico	47.0	7.8	47.5	7.2	42.4	7.2	38.3	8.1	37.3	7.1	31.0	8.3	38.5	7.7	43.1	6.9
New York	51.9	2.6	50.1	2.6	49.8	2.9	48.3	3.4	41.1	2.8	40.9	3.2	44.2	3.5	47.5	3.2
North Carolina	53.8	3.3	55.1	4.0	53.2	3.3	51.8	3.4	53.1	3.7	51.4	3.9	54.4	3.7	56.1	3.7
North Dakota	46.0	14.2	49.1	18.4	40.7	16.1	37.6	14.6	40.4	15.0	37.6	14.6	35.6	18.6	38.2	17.6
Ohio	53.9	3.7	54.2	3.2	49.3	3.2	49.3	3.7	45.5	3.5	35.7	4.2	31.1	3.8	35.0	3.6
Oklahoma	64.8	5.3	66.1	5.0	65.8	4.6	66.8	5.9	60.0	5.2	54.6	5.3	55.7	6.0	60.5	5.8
Oregon	50.8	5.1	52.3	6.5	56.9	6.9	56.1	6.5	45.8	5.5	46.9	7.6	43.4	6.5	49.7	5.8
Pennsylvania	56.8	3.8	54.5	3.9	51.2	4.4	47.1	4.5	35.2	3.8	32.6	4.5	31.3	5.1	34.6	4.8
Puerto Rico	79.7	7.1	75.4	6.9	83.5	7.8	69.8	5.9	77.9	9.1	81.0	7.5	68.0	7.0	75.7	5.9
Rhode Island	61.8	11.4	67.3	12.2	49.2	11.2	48.8	12.4	46.6	9.7	46.6	12.7	41.9	14.7	55.9	16.5
South Carolina	55.9	4.8	52.4	5.3	49.8	4.5	43.0	5.0	38.6	5.0	33.0	5.5	35.0	4.6	37.7	5.2
South Dakota	40.6	13.0	40.4	15.0	46.4	14.2	40.4	12.7	42.1	11.4	37.6	12.3	40.1	12.3	51.8	14.7
Tennessee	56.2	4.0	55.8	4.1	53.6	3.8	45.8	4.0	43.7	4.2	39.3	4.9	43.0	4.3	49.8	4.6
Texas	56.6	2.0	55.7	2.0	51.5	1.9	50.6	2.1	46.0	1.9	45.6	2.0	50.5	2.4	51.8	1.6
Utah	41.7	7.1	35.0	6.8	44.3	7.6	36.7	7.7	30.8	6.3	25.4	7.0	30.2	7.3	38.1	7.3
Vermont	41.5	14.6	47.8	18.6	63.6	21.1	59.7	18.7	51.3	12.5	55.0	18.1	52.2	22.1	64.1	25.9
Virginia	52.2	4.8	50.4	5.3	47.1	4.8	47.0	5.0	43.6	5.0	43.6	5.0	44.0	5.3	40.9	5.4

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Washington	55.2	4.2	48.3	4.3	46.8	4.4	43.3	4.9	39.6	4.4	39.6	5.1	46.5	4.7	50.6	4.4
West Virginia	57.8	9.4	50.5	7.2	46.0	7.1	50.3	9.2	38.9	7.6	39.4	9.7	42.0	8.5	49.9	7.2
Wisconsin	45.4	5.2	43.7	5.4	44.8	5.8	45.8	7.8	40.3	6.3	41.9	7.1	41.3	7.1	47.7	6.8
Wyoming	42.8	15.4	56.9	17.2	45.9	16.9	49.5	14.3	35.9	10.3	33.8	12.6	33.8	15.0	33.6	14.2

Note: The point estimates for CY 2016–CY 2020 are consistent with the results published in the CY 2021 report (Kessler et al., 2023) but differ from initial results published for those years because of updates to the methodology.
COV = coefficient of variation; CY = calendar year
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.9e. WIC coverage rate for postpartum women by State: CY 2016–CY 2023

State	2016 Rate	2016 COV	2017 Rate	2017 COV	2018 Rate	2018 COV	2019 Rate	2019 COV	2020 Rate	2020 COV	2021 Rate	2021 COV	2022 Rate	2022 COV	2023 Rate	2023 COV
Total	**72.2**	**3.0**	**69.0**	**3.0**	**69.9**	**2.8**	**69.3**	**4.2**	**69.2**	**4.5**	**67.2**	**3.7**	**69.0**	**3.7**	**72.9**	**3.9**
Alabama	68.7	5.3	70.5	5.5	66.9	6.1	69.8	6.5	71.0	6.1	56.6	7.3	56.2	6.9	63.8	6.7
Alaska	52.3	12.9	45.8	12.8	61.0	13.4	63.2	15.1	64.7	12.5	61.7	14.3	60.9	15.6	57.7	12.8
Arizona	73.5	5.1	64.7	5.1	65.3	4.9	64.2	5.4	66.2	5.9	62.0	6.3	64.0	6.2	71.0	3.8
Arkansas	66.7	6.4	66.3	6.5	65.2	5.9	59.5	6.4	53.3	6.1	54.7	6.7	55.3	7.3	60.0	7.1
California	82.1	3.4	71.4	3.5	73.8	3.4	73.4	3.3	75.2	3.2	74.7	4.1	75.6	4.1	80.4	2.1
Colorado	61.0	6.5	58.3	5.5	64.8	6.1	65.8	6.3	61.1	5.7	60.8	6.8	60.4	7.0	70.5	6.9
Connecticut	50.0	8.4	52.4	9.5	51.4	7.7	52.4	8.0	53.6	7.4	54.5	8.0	51.0	8.3	49.4	7.5
Delaware	60.1	14.0	51.8	14.3	54.7	13.4	64.6	14.1	57.9	8.6	57.9	15.2	70.5	18.2	71.0	18.3
District of Columbia	96.7	15.5	80.2	15.8	68.2	18.3	98.8	18.6	†	†	90.4	19.4	62.5	17.0	89.1	18.2
Florida	71.6	4.0	70.9	3.8	73.5	3.7	73.3	3.7	73.8	3.9	67.4	4.6	72.7	4.6	74.3	2.9
Georgia	83.9	4.3	77.9	4.6	65.3	4.7	68.6	4.3	61.1	4.3	52.4	5.0	52.4	5.2	60.6	4.0
Hawaii	79.4	10.0	61.3	10.7	66.7	10.5	73.1	10.3	64.1	9.0	72.6	12.4	66.6	12.1	65.4	11.1
Idaho	55.3	9.6	52.2	8.0	56.7	8.8	54.0	9.9	57.0	9.5	63.3	10.8	62.0	9.7	56.5	8.4
Illinois	58.4	4.1	61.9	4.7	62.8	4.3	62.8	4.3	56.4	4.3	51.0	5.8	52.9	5.6	59.1	4.0
Indiana	73.9	5.4	75.5	5.5	75.3	6.0	75.3	5.6	79.5	4.8	78.2	6.0	79.3	5.7	79.5	4.9
Iowa	56.8	7.3	66.8	7.5	81.4	7.0	74.8	7.5	76.5	6.6	75.9	8.5	75.6	8.6	65.7	6.2
Kansas	64.5	7.3	59.5	7.3	55.8	7.2	59.8	8.3	62.1	6.7	59.0	8.1	56.0	8.2	63.3	8.2
Kentucky	67.0	6.8	61.8	6.4	62.1	6.4	61.0	5.7	64.2	5.4	68.5	6.0	69.5	6.4	67.4	5.6
Louisiana	74.9	5.9	71.2	5.5	64.2	5.9	64.0	5.5	68.1	5.3	63.1	6.5	62.9	6.5	68.1	4.6
Maine	58.1	14.3	56.5	14.6	57.7	12.6	53.9	12.0	48.0	11.7	73.3	12.0	69.9	12.0	59.4	12.7
Maryland	84.2	6.6	88.6	6.9	82.0	6.2	77.8	5.9	81.7	5.8	70.8	6.6	72.0	6.5	75.4	5.0
Massachusetts	67.1	5.9	64.1	5.8	67.0	6.6	66.1	6.0	68.0	5.1	64.9	6.6	66.7	6.8	77.0	5.7
Michigan	60.0	4.7	61.2	5.2	66.9	4.8	66.6	4.8	66.6	4.6	62.1	5.6	68.1	5.6	69.4	5.4
Minnesota	72.2	6.1	71.8	6.7	72.7	7.2	72.3	7.5	75.3	5.8	77.0	8.6	82.6	8.1	81.6	5.8
Mississippi	70.2	6.0	80.9	6.1	78.3	6.4	72.5	6.0	74.6	5.6	58.8	7.4	57.2	7.0	64.4	6.2
Missouri	69.4	5.0	65.9	5.1	67.4	5.3	64.3	5.5	61.0	5.1	56.0	6.6	59.3	6.3	61.4	5.2

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Montana	53.0	14.1	48.2	11.3	56.0	12.1	50.6	12.6	51.7	12.9	50.8	14.4	53.9	14.4	53.7	12.0
Nebraska	62.1	8.2	71.6	9.4	65.7	8.2	61.0	9.9	66.4	9.7	76.2	12.1	77.9	12.3	71.8	10.5
Nevada	79.4	8.3	69.5	7.5	64.7	7.4	71.6	7.4	66.2	6.5	64.6	8.7	65.9	8.5	66.7	6.9
New Hampshire	49.9	12.7	46.6	15.3	38.8	13.9	41.7	14.4	45.8	10.9	68.2	16.4	54.3	15.7	50.8	17.6
New Jersey	65.1	4.9	64.5	5.1	65.3	5.2	69.3	6.0	64.9	4.8	69.3	6.6	70.0	6.6	79.4	5.0
New Mexico	64.0	8.4	56.4	7.6	53.8	7.9	49.9	8.6	55.7	7.6	48.6	9.1	53.7	8.5	63.5	6.8
New York	71.8	3.9	68.9	3.9	71.4	4.0	66.4	4.3	67.4	3.9	67.4	4.8	73.1	5.0	76.4	3.2
North Carolina	72.0	4.4	72.7	4.8	72.1	4.3	71.2	4.3	73.5	4.6	70.3	5.3	74.1	5.1	77.3	3.7
North Dakota	62.1	14.7	67.1	18.7	61.5	16.0	57.6	15.0	62.7	15.0	75.3	15.2	63.2	19.5	62.6	17.4
Ohio	61.7	4.7	61.6	4.3	59.2	4.3	58.4	4.5	58.6	4.5	54.9	5.6	64.0	5.3	68.5	3.6
Oklahoma	67.3	6.1	62.9	5.8	65.4	5.5	66.5	6.5	63.0	5.8	65.5	6.6	62.2	6.9	63.9	5.7
Oregon	61.4	5.9	64.5	7.0	73.0	7.3	72.5	7.1	66.5	6.1	74.8	8.4	69.3	7.4	70.1	5.6
Pennsylvania	61.7	4.8	62.5	4.9	66.2	5.2	64.2	5.2	64.2	4.7	59.6	5.9	57.2	6.3	61.0	4.6
Puerto Rico	91.7	7.1	85.8	6.9	96.0	7.8	85.3	5.9	97.3	9.1	†	†	88.4	7.0	91.1	5.9
Rhode Island	69.7	11.8	75.4	12.8	52.7	11.7	52.9	13.0	63.3	10.1	71.7	14.0	60.9	15.6	75.5	15.9
South Carolina	71.1	5.6	67.3	6.1	62.7	5.4	57.4	5.6	61.5	5.7	53.5	6.7	50.6	5.9	54.1	5.1
South Dakota	58.3	13.4	53.4	14.6	60.5	14.3	50.1	13.1	54.3	11.7	59.8	13.2	57.6	12.6	66.3	14.1
Tennessee	61.9	5.0	62.8	5.0	59.0	4.8	53.0	4.8	56.4	5.1	56.3	6.1	59.5	5.6	65.5	4.6
Texas	89.9	3.5	84.6	3.5	86.6	3.4	90.3	3.4	88.7	3.4	88.0	4.1	89.0	4.3	94.1	1.6
Utah	58.7	7.7	48.7	7.4	71.5	8.5	59.4	8.4	54.7	6.9	48.3	7.9	53.0	8.3	57.8	7.4
Vermont	53.6	15.0	61.4	18.8	85.7	21.2	81.0	18.9	75.2	12.7	92.1	18.5	88.8	22.0	96.7	25.3
Virginia	64.6	5.6	62.1	6.1	57.2	5.7	56.9	5.7	54.9	5.6	56.5	6.3	58.8	6.4	56.0	5.2

State	2016		2017		2018		2019		2020		2021		2022		2023	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Washington	65.5	5.2	54.9	5.0	60.7	5.2	57.7	5.6	56.8	5.1	58.5	6.3	61.8	5.9	64.3	4.4
West Virginia	72.7	9.9	65.6	7.7	54.8	7.6	56.0	9.5	49.1	8.0	55.3	10.3	56.7	9.0	58.2	7.2
Wisconsin	64.0	6.0	60.3	6.2	69.7	6.6	71.8	8.2	67.1	6.8	71.7	8.3	72.2	8.0	76.8	6.6
Wyoming	62.7	15.7	77.6	17.5	70.4	16.8	72.2	14.5	60.8	10.8	58.2	13.6	56.6	15.5	52.7	14.4

Note: The point estimates for CY 2016–CY 2020 are consistent with the results published in the CY 2021 report (Kessler et al., 2023) but differ from initial results published for those years because of updates to the methodology.

COV = coefficient of variation; CY = calendar year

[†] Indicates an unreliable coverage rate over 100 percent

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table D.10. WIC coverage rate (percentage) by State and participant category with coefficients of variation: CY 2023

State	Infants		All children		1-year-old children		2-year-old children		3-year-old children		4-year-old children		Pregnant women		Postpartum women		Total	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Total	82.4	3.9	47.9	1.5	67.4	3.2	52.5	3.2	45.1	3.2	26.9	3.0	49.4	1.1	72.9	3.9	56.1	1.4
Alabama	89.0	6.7	40.6	2.2	58.1	5.0	47.4	4.8	34.4	5.0	22.0	4.2	54.6	6.7	63.8	6.7	51.4	2.2
Alaska	71.7	12.8	43.9	6.0	61.8	12.3	48.7	11.6	41.2	15.0	24.0	10.0	51.6	13.3	57.7	12.8	50.3	5.4
Arizona	84.4	3.8	53.5	2.0	73.5	5.1	58.0	4.3	51.2	4.5	30.6	4.3	44.1	4.0	71.0	3.8	59.5	1.7
Arkansas	79.1	7.1	34.9	2.5	49.7	6.6	35.6	5.7	30.4	6.2	22.2	6.1	48.0	7.3	60.1	7.1	45.7	2.9
California	87.4	2.1	68.5	0.7	98.1	1.6	71.0	1.9	67.9	1.8	38.4	1.6	64.5	2.1	80.4	2.1	72.4	0.8
Colorado	75.9	6.9	47.5	3.2	69.1	6.7	50.8	6.3	43.8	6.3	26.8	5.4	45.1	6.9	70.5	6.9	54.2	2.8
Connecticut	70.1	7.5	42.8	3.2	64.1	8.9	45.9	6.8	39.7	8.6	24.2	7.1	44.9	7.5	49.4	7.5	48.1	2.6
Delaware	93.8	18.3	53.3	5.3	93.4	16.5	56.1	15.9	46.9	11.6	26.1	12.7	56.4	18.4	71.0	18.3	61.5	6.2
District of Columbia	95.9	18.2	46.1	9.1	72.2	32.5	49.4	26.4	35.9	17.9	31.9	28.4	46.0	17.8	89.1	18.2	59.0	8.2
Florida	80.1	2.8	43.9	1.1	60.0	2.8	50.4	2.7	39.9	2.6	24.4	2.4	46.0	2.8	74.3	2.9	52.9	1.1
Georgia	84.0	4.0	37.2	1.3	49.7	3.8	43.2	3.5	36.6	3.4	18.6	3.5	48.8	4.0	60.6	4.0	47.7	1.3
Hawaii	76.5	11.1	51.8	4.8	80.3	10.5	55.9	10.7	50.6	9.9	27.5	9.1	51.3	11.2	65.4	11.1	57.3	4.9
Idaho	61.2	8.4	40.3	3.4	59.6	8.0	45.1	7.6	35.8	9.5	21.7	7.9	34.8	8.4	56.5	8.4	44.9	3.7
Illinois	80.3	4.0	34.1	1.5	49.2	3.7	34.0	4.0	27.7	4.0	27.0	3.9	44.1	4.1	59.1	4.0	44.3	1.7
Indiana	86.7	4.9	49.8	2.1	60.2	4.7	55.5	4.0	51.0	5.6	30.6	4.5	44.1	5.0	79.5	4.9	58.3	1.9
Iowa	80.7	6.2	47.8	3.8	70.6	9.2	52.7	8.4	41.7	6.2	26.8	6.9	42.5	6.4	65.7	6.2	54.3	3.4
Kansas	78.5	8.3	42.7	2.9	58.8	5.9	47.4	7.5	41.9	6.8	22.7	7.9	48.3	8.1	63.3	8.2	50.6	3.0
Kentucky	90.3	5.7	55.5	2.3	80.7	6.2	62.9	5.6	49.6	4.5	28.4	5.2	53.3	5.7	67.4	5.6	62.1	2.2
Louisiana	77.7	4.6	28.1	1.8	44.7	5.0	27.5	4.7	24.2	4.6	14.1	4.8	38.5	4.7	68.1	4.6	41.3	1.7
Maine	77.1	12.7	51.4	6.1	81.3	12.6	56.6	12.3	53.6	12.1	26.6	15.2	40.1	12.8	59.4	12.7	55.2	5.8
Maryland	91.1	5.1	52.0	2.6	69.0	6.9	64.0	5.1	43.7	5.2	31.7	5.9	57.2	5.1	75.4	5.0	61.2	2.2
Massachusetts	87.4	5.7	64.6	2.3	99.6	5.6	67.6	5.5	58.3	5.6	36.8	5.4	55.9	5.9	77.0	5.7	68.7	2.4
Michigan	93.2	5.4	55.5	1.8	76.5	4.3	65.0	4.2	55.5	4.1	27.7	4.2	57.6	5.3	69.4	5.4	62.6	1.7
Minnesota	95.0	5.9	58.7	3.5	72.5	7.7	68.2	8.0	56.3	6.2	38.6	5.8	55.6	6.1	81.6	5.8	66.2	3.3
Mississippi	86.1	6.2	34.6	2.4	45.4	6.5	37.8	7.3	36.9	6.1	17.7	6.8	35.6	6.3	64.4	6.2	45.6	2.4

State	Infants		All children		1-year-old children		2-year-old children		3-year-old children		4-year-old children		Pregnant women		Postpartum women		Total	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Missouri	77.4	5.3	32.1	2.0	49.3	4.2	33.0	4.9	29.5	4.2	17.2	4.7	43.8	5.4	61.4	5.2	43.0	1.9
Montana	69.2	12.0	36.0	5.0	59.0	14.6	39.0	11.5	35.7	9.1	16.3	13.4	43.5	12.5	53.7	12.0	42.9	5.3
Nebraska	77.8	10.5	55.2	5.0	77.5	10.6	61.1	9.8	53.5	10.4	30.2	10.7	43.8	10.3	71.8	10.5	59.6	4.1
Nevada	71.8	6.9	40.6	2.9	54.1	7.0	43.5	6.1	37.8	7.2	25.7	7.1	36.3	6.9	66.7	6.9	47.7	2.8
New Hampshire	59.1	17.6	49.3	6.0	60.9	12.7	53.4	15.0	47.9	12.5	33.3	14.0	34.4	17.4	50.8	17.6	49.5	6.9
New Jersey	82.9	5.0	51.0	2.1	74.0	4.7	56.6	4.0	47.9	4.7	26.7	4.3	46.2	5.1	79.4	5.0	58.3	2.1
New Mexico	73.7	6.8	33.8	3.8	57.2	9.0	31.7	8.5	23.6	8.1	23.7	9.3	43.1	6.9	63.5	6.8	43.9	2.8
New York	84.5	3.2	56.7	1.1	75.9	3.5	64.4	2.8	54.5	3.0	32.7	2.8	47.5	3.2	76.4	3.2	62.4	1.1
North Carolina	91.4	3.7	53.1	1.7	69.6	4.1	67.4	3.9	48.1	3.5	27.0	3.8	56.1	3.7	77.3	3.7	61.8	1.4
North Dakota	72.9	17.4	46.6	7.5	65.7	15.8	64.6	14.7	38.1	17.4	24.2	15.3	38.2	17.6	62.6	17.4	51.6	8.3
Ohio	74.1	3.6	36.6	1.4	60.4	3.5	36.1	4.2	32.5	4.0	17.6	2.9	35.0	3.6	68.5	3.6	45.5	1.2
Oklahoma	80.6	5.8	44.9	2.2	54.1	5.1	53.6	5.5	44.5	4.8	28.1	5.4	60.5	5.8	63.9	5.7	54.2	2.3
Oregon	76.4	5.6	60.4	2.5	†	†	62.7	6.7	56.4	6.2	28.9	5.6	49.7	5.8	70.1	5.6	63.1	2.7
Pennsylvania	67.5	4.6	36.7	1.5	55.4	4.7	42.3	3.5	34.1	3.6	16.2	4.5	34.6	4.8	61.0	4.6	43.7	1.6
Rhode Island	92.0	15.9	51.7	5.4	77.7	17.4	55.1	14.9	55.4	20.8	23.8	13.5	55.9	16.5	75.5	15.9	60.6	5.9
South Carolina	70.0	5.1	37.4	2.1	52.4	6.3	44.8	4.4	33.0	4.9	17.0	5.6	37.7	5.2	54.1	5.1	44.3	2.0
South Dakota	85.8	14.0	50.3	5.6	65.1	12.9	38.8	12.7	51.0	13.1	50.4	14.1	51.8	14.7	66.3	14.1	57.5	6.3
Tennessee	82.7	4.6	36.1	2.0	55.4	4.7	38.9	4.1	32.4	4.9	18.0	4.5	49.8	4.6	65.5	4.6	47.4	1.8
Texas	85.8	1.6	43.6	0.8	65.2	2.0	44.4	2.1	40.6	1.9	23.1	2.0	51.8	1.6	94.1	1.6	56.7	0.7
Utah	64.1	7.4	38.1	3.6	58.0	6.1	38.4	8.1	34.6	7.2	22.0	6.7	38.1	7.3	57.8	7.4	44.5	3.4
Vermont	99.4	25.3	74.9	7.4	†	†	78.1	14.3	70.1	19.9	46.5	15.1	64.1	25.9	96.7	25.3	79.6	9.3
Virginia	76.2	5.3	40.4	2.0	38.2	4.4	52.2	3.9	44.2	4.4	27.4	4.7	40.9	5.4	56.0	5.2	47.2	2.0

State	Infants		All children		1-year-old children		2-year-old children		3-year-old children		4-year-old children		Pregnant women		Postpartum women		Total	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Washington	70.0	4.4	50.0	1.9	66.0	4.4	55.2	5.0	47.5	4.2	32.4	4.2	50.6	4.4	64.3	4.4	54.8	1.8
West Virginia	88.0	7.2	53.9	3.8	80.5	9.3	54.0	9.7	46.0	7.8	35.3	8.6	49.9	7.2	58.2	7.2	59.2	3.4
Wisconsin	83.5	6.6	48.5	2.9	69.8	7.5	52.3	6.8	44.8	5.4	28.2	5.4	47.7	6.8	76.8	6.6	56.0	2.7
Wyoming	59.7	14.4	38.8	7.9	70.2	16.0	35.6	14.7	28.2	18.1	27.6	17.6	33.6	14.2	52.7	14.4	43.4	7.2

Note: Coverage rate estimates for Puerto Rico are included in the totals but are not shown separately because of small sample sizes. The COV is defined as the ratio of the standard error to the eligibility estimate. The larger the COV in relation to the size of the estimate, the less reliable the estimate. See appendix B for more details on statistical uncertainty for these estimates.
COV = coefficient of variation; CY = calendar year
[†] Indicates an unreliable coverage rate over 100 percent
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table D.11. State-level WIC coverage rate (percentage) by race and Hispanic ethnicity with coefficients of variation: CY 2023

State	Hispanic/Latino		White-only, not Hispanic		Other than White-only, not Hispanic[a]		Total	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Alabama	68.3	8.6	46.4	3.3	51.2	3.0	51.4*	2.2
Alaska	79.5	25.2	40.1*	10.8	53.2	7.3	50.3*	5.4
Arizona	62.0*	2.2	55.3*	4.1	56.3*	4.1	59.5*	1.7
Arkansas	50.7*	6.5	50.9	4.1	36.8*	4.8	45.7*	2.9
California	81.6*	0.9	41.1*	2.6	61.8*	1.9	72.4*	0.8
Colorado	56.6*	3.5	53.2	4.6	49.0	5.2	54.2	2.8
Connecticut	53.1*	3.7	37.7*	6.0	47.9	6.6	48.1*	2.6
Delaware	63.2	10.8	57.4	14.8	62.9	9.2	61.5	6.2
District of Columbia	†	†	19.0*	25.1	48.6	7.8	59.0	8.2
Florida	63.8	1.5	39.0*	2.3	51.3	1.7	52.9*	1.1
Georgia	49.5*	3.0	48.4	2.9	46.8*	1.9	47.7*	1.3
Hawaii	51.7*	12.0	33.2*	12.2	65.3*	5.4	57.3	4.9
Idaho	45.9*	6.6	44.2*	4.7	45.8	14.2	44.9*	3.7
Illinois	53.6*	2.5	41.0*	3.2	38.8*	2.5	44.3*	1.7
Indiana	64.7	4.8	54.6*	2.6	61.1*	3.1	58.3	1.9
Iowa	70.5	6.7	47.8	4.2	58.9	9.2	54.3	3.4
Kansas	59.2	6.1	44.3*	3.9	52.9	6.5	50.6*	3.0
Kentucky	66.5	8.5	62.9*	2.3	57.6*	5.0	62.1*	2.2
Louisiana	42.7*	5.0	44.6*	3.5	39.3*	2.4	41.3*	1.7
Maine	72.7	30.4	53.3	6.6	60.6	16.8	55.2	5.8
Maryland	79.9*	4.4	47.2	5.4	55.2	3.0	61.2*	2.2
Massachusetts	80.7*	3.4	63.9*	4.6	57.5*	4.5	68.7*	2.4
Michigan	73.5*	4.3	61.4*	2.4	61.0*	2.9	62.6*	1.7
Minnesota	70.7	8.8	60.1*	4.3	70.6*	5.8	66.2*	3.3
Mississippi	48.4*	9.5	43.5*	4.4	46.4*	2.9	45.6*	2.4
Missouri	46.2*	7.0	44.4*	2.5	39.4*	4.0	43.0*	1.9
Montana	23.8*	16.8	42.0*	6.2	59.7	11.4	42.9*	5.3
Nebraska	67.1	9.5	48.4	5.3	71.0*	8.3	59.6	4.1
Nevada	47.7*	3.5	61.3*	7.4	40.6*	5.0	47.7*	2.8
New Hampshire	73.0	16.5	48.9	7.9	34.1*	21.1	49.5*	6.9
New Jersey	67.1	2.5	52.3	4.1	49.6	3.8	58.3	2.1
New Mexico	45.5*	3.1	34.5*	8.1	45.8*	6.5	43.9*	2.8
New York	66.3	2.4	54.7*	1.8	65.5*	1.9	62.4*	1.1
North Carolina	66.7	3.1	62.4*	2.6	58.4*	1.9	61.8*	1.4
North Dakota	45.7*	20.3	46.0	12.4	61.9	12.9	51.6	8.3
Ohio	49.8*	5.1	45.8*	2.0	43.9*	2.5	45.5*	1.2
Oklahoma	56.7*	4.6	51.0	3.0	55.4	4.2	54.2	2.3

State	Hispanic/Latino		White-only, not Hispanic		Other than White-only, not Hispanic[a]		Total	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Oregon	60.0*	3.7	68.0*	4.1	54.6	7.6	63.1*	2.7
Pennsylvania	49.0*	3.2	42.5*	2.6	41.1*	2.9	43.7*	1.6
Rhode Island	65.5	5.6	44.7	13.1	73.6*	15.1	60.6	5.9
South Carolina	45.6*	6.3	40.5*	3.9	46.6*	2.4	44.3*	2.0
South Dakota	45.3*	11.6	42.4	10.8	86.9*	9.2	57.5	6.3
Tennessee	49.5*	4.9	52.1	2.5	39.8*	3.1	47.4*	1.8
Texas	63.4	0.9	45.3*	2.3	45.2*	1.6	56.7	0.7
Utah	52.5*	5.7	41.7*	4.8	34.6*	10.5	44.5*	3.4
Vermont	†	†	78.8*	10.8	85.7	26.3	79.6*	9.3
Virginia	65.0	3.8	39.3*	3.2	44.4*	2.7	47.2*	2.0
Washington	61.4*	2.9	49.2	2.8	52.7	4.0	54.8	1.8
West Virginia	61.4	19.9	59.0*	3.6	59.5	9.9	59.2	3.4
Wisconsin	60.6	8.3	45.9	3.2	68.8*	4.7	56.0	2.7
Wyoming	38.7*	16.4	45.0	7.2	46.3	20.5	43.4*	7.2
Total	66.0	2.0	49.2	2.9	51.4	2.5	56.1	1.4

Note: Coverage rate estimates for Puerto Rico are included in the totals but are not shown separately because of small sample sizes. The COV is defined as the ratio of the standard error to the eligibility estimate. The larger the COV in relation to the size of the estimate, the less reliable the estimate. See appendix B for more details on statistical uncertainty for these estimates.

COV = coefficient of variation; CY = calendar year

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

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

† Indicates an unreliable coverage rate over 100 percent or a coverage rate where the lower bound of the 95 percent confidence interval is below 0 percent and the upper bound is over 100 percent

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table D.12. State-level WIC coverage rate (percentage) for children by race and Hispanic ethnicity: CY 2023

State	Hispanic/Latino	White-only, not Hispanic	Other than White-only, not Hispanic[a]	Total
Alabama	58.4	36.3	39.8	40.6
Alaska	53.8	32.7	49.7	43.9
Arizona	55.7	48.1	52.6	53.5
Arkansas	40.9	39.6	26.5	34.8
California	76.8	40.0	57.1	68.5
Colorado	48.4	52.4	37.7	47.5
Connecticut	49.2	32.7	40.5	42.8
Delaware	51.0	59.3	52.0	53.3
District of Columbia	†	14.4	35.3	46.1
Florida	54.0	32.4	41.4	43.9
Georgia	39.2	39.2	35.6	37.2
Hawaii	51.8	32.8	55.2	51.8
Idaho	42.9	38.1	48.0	40.3
Illinois	41.1	33.5	28.5	34.1
Indiana	59.2	48.0	47.8	49.8
Iowa	64.9	42.9	47.5	47.8
Kansas	49.3	37.2	45.7	42.7
Kentucky	70.9	53.5	55.0	55.5
Louisiana	28.1	28.8	27.8	28.1
Maine	44.7	52.2	49.9	51.4
Maryland	78.7	37.4	43.7	52.0
Massachusetts	75.1	62.4	52.9	64.6
Michigan	66.0	55.1	53.1	55.5
Minnesota	57.5	56.8	61.0	58.7
Mississippi	41.4	34.8	34.0	34.6
Missouri	36.9	34.2	27.0	32.1
Montana	19.7	35.1	50.3	36.0
Nebraska	65.3	42.2	67.8	55.2
Nevada	40.2	55.1	33.9	40.6
New Hampshire	56.2	52.6	30.5	49.3
New Jersey	58.7	49.6	40.4	51.0
New Mexico	36.3	23.7	32.2	33.8
New York	62.2	51.1	56.1	56.7
North Carolina	58.4	55.4	48.5	53.1
North Dakota	36.0	46.3	51.3	46.6
Ohio	43.0	36.5	35.1	36.6
Oklahoma	51.4	37.0	48.5	44.9
Oregon	55.6	66.2	54.0	60.4

State	Hispanic/Latino	White-only, not Hispanic	Other than White-only, not Hispanic[a]	Total
Pennsylvania	43.0	36.4	32.5	36.7
Rhode Island	50.3	41.6	76.2	51.7
South Carolina	41.6	34.3	38.4	37.4
South Dakota	34.6	39.8	73.4	50.3
Tennessee	39.1	40.6	28.6	36.1
Texas	50.6	32.7	31.6	43.6
Utah	43.0	36.1	32.0	38.1
Vermont	[†]	73.1	71.0	74.9
Virginia	59.1	33.7	36.9	40.4
Washington	58.5	42.9	48.2	50.0
West Virginia	39.7	54.3	56.8	53.9
Wisconsin	61.5	39.9	52.4	48.5
Wyoming	34.2	41.3	37.4	38.8
Total	**58.4**	**42.1**	**41.9**	**47.9**

Note: Coverage rate estimates for Puerto Rico are included in the totals but are not shown separately.

CY = calendar year

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

[†] Indicates an unreliable coverage rate over 100 percent

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Appendix E

FNS Regional- and State-Level Maps of WIC Coverage Rates: CY 2023

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, non-Hispanic; and other than White-only, non-Hispanic.[9]

Policies and National Events Influencing WIC Operations, Eligibility, and Program Reach

- In February 2022, an infant formula recall led to a national formula shortage. Combined with supply chain issues, the formula shortage continued in 2023, leading to shifts in how infants were fed across the Nation (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.

- In FY 2023, Congress continued to fund an increase to the cash value benefit (CVB) that WIC participants use to purchase fruits and vegetables. Although the FY 2023 CVB levels were only modestly adjusted for inflation above the increased CVB funded in FY 2022, this rise may still have had continued impacts on participation extending into 2023.

- The country continued to deal with challenges related to the COVID-19 public health emergency (PHE). Poverty remained relatively high, although some measures suggest a slight increase in family incomes. Medicaid and SNAP participation also continued at high levels, although these programs began "unwinding" COVID-19 flexibilities that temporarily increased enrollment. Some WIC clinics began shifting back to pre-COVID policies, while others continued to waive physical presence requirements and issued benefits electronically in an effort to modernize the program. The impact of WIC waivers may have varied across State agencies with different policies. For example, some State agencies used offline EBT technology that did not allow for remote benefit issuance, while others had online systems that allowed them to issue benefits remotely.

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[9] The Black-only, non-Hispanic and two or more races or other race, non-Hispanic categories were combined because of sample size concerns. This category includes Black-only, non-Hispanic individuals and non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander.

A list of the maps follows:

FNS Regional-Level Coverage Rates

- ❯ E.1.　　Total
- ❯ E.2.　　Infants
- ❯ E.3.　　Children
- ❯ E.4.　　Pregnant women
- ❯ E.5.　　Postpartum women

State-Level Coverage Rates by Participant Category

- ❯ E.6.　　Total
- ❯ E.7.　　Infants
- ❯ E.8.　　Children
- ❯ E.9.　　Pregnant women
- ❯ E.10.　Postpartum women

Estimates for the 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 E.6 only.

State-Level Coverage Rates by Race and Hispanic Ethnicity

- ❯ E.11.　Hispanic/Latino
- ❯ E.12.　White-only, not Hispanic
- ❯ E.13.　Other than White-only, not Hispanic

Estimates for U.S. territories other than Puerto Rico are not included in national totals because the IDB 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 E.1. WIC coverage rate for total eligible individuals by FNS Region: CY 2023

National coverage rate for all eligible individuals: 56.1 percent

Western 66.5%

Mountain Plains 49.6%

Midwest 53.6%

Northeast 61.7%

Mid-Atlantic 54.4%

Southwest 53.6%

Southeast 52.2%
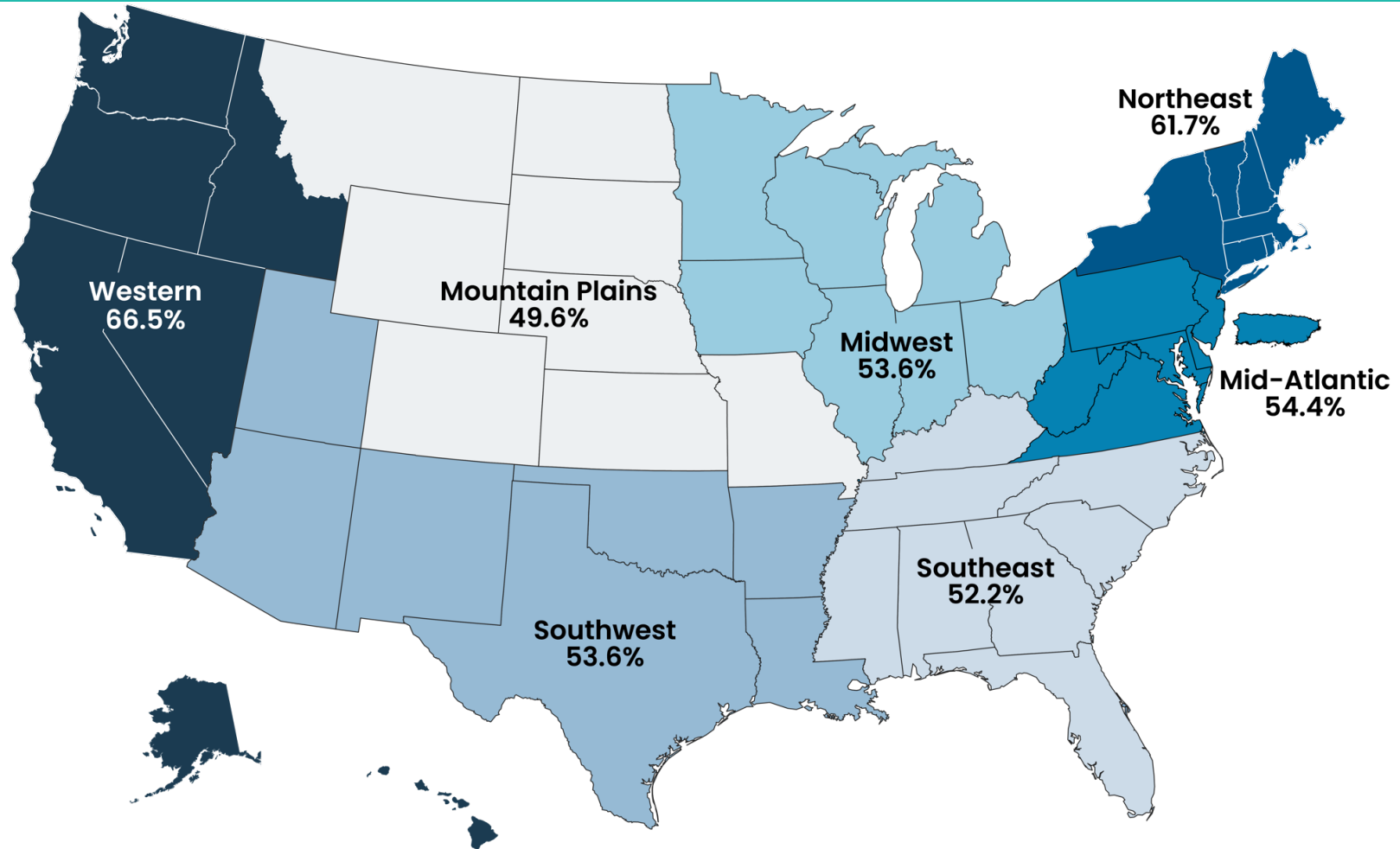
Note: Data for figure E.1 are available in table F.3 in appendix F.

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.2. WIC coverage rate for infants by FNS Region: CY 2023

National coverage rate for infants: 82.3 percent

Western 82.0%

Mountain Plains 76.5%

Midwest 83.8%

Northeast 83.0%

Mid-Atlantic 79.6%

Southwest 82.8%

Southeast 83.6%
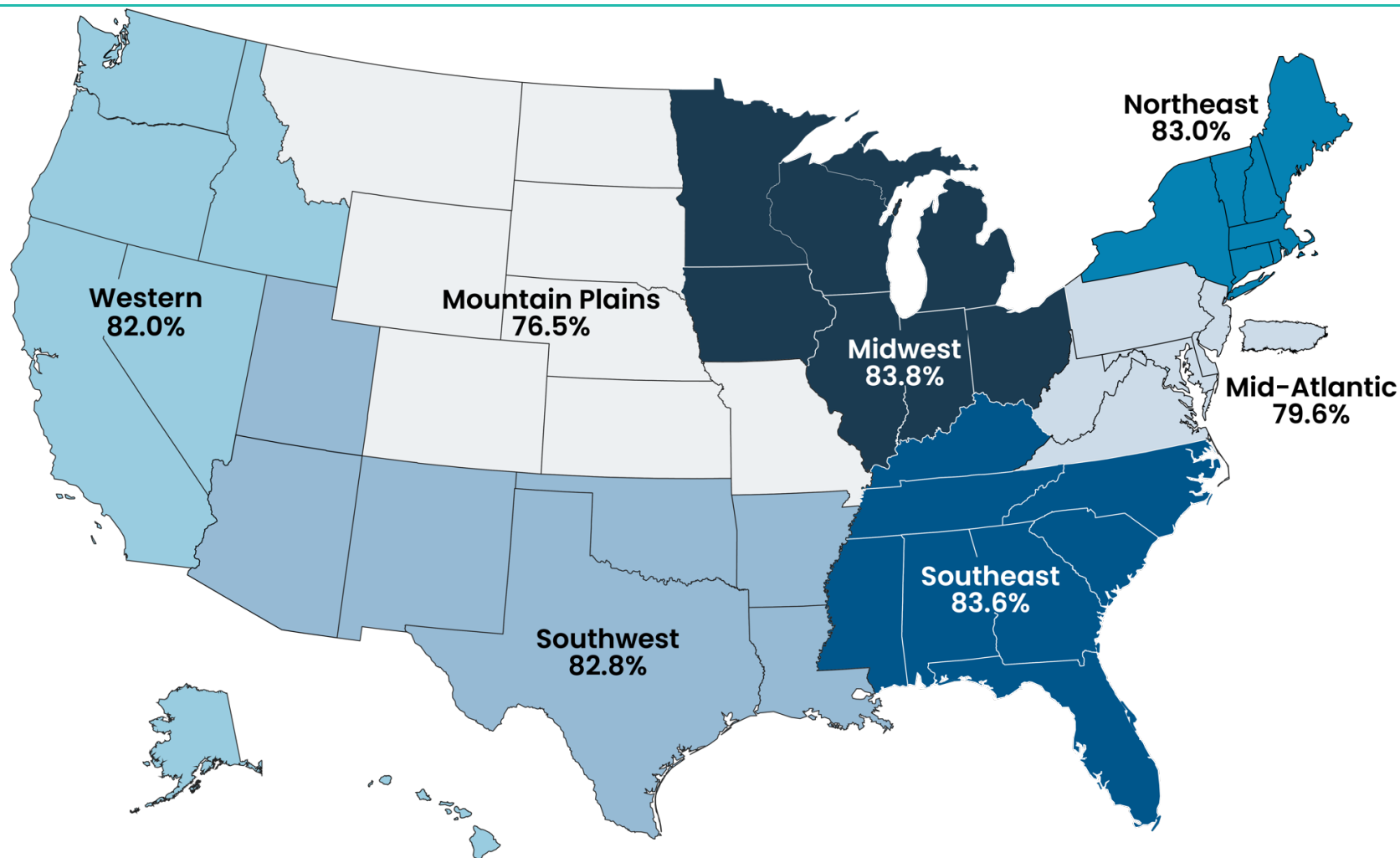
Note: Data for figure E.2 are available in table F.3 in appendix F.

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.3. WIC coverage rate for children by FNS Region: CY 2023

National coverage rate for children: 47.9 percent

Western
62.3%

Mountain Plains
41.5%

Midwest
45.2%

Northeast
56.4%

Mid-Atlantic
47.3%

Southwest
42.1%

Southeast
42.8%
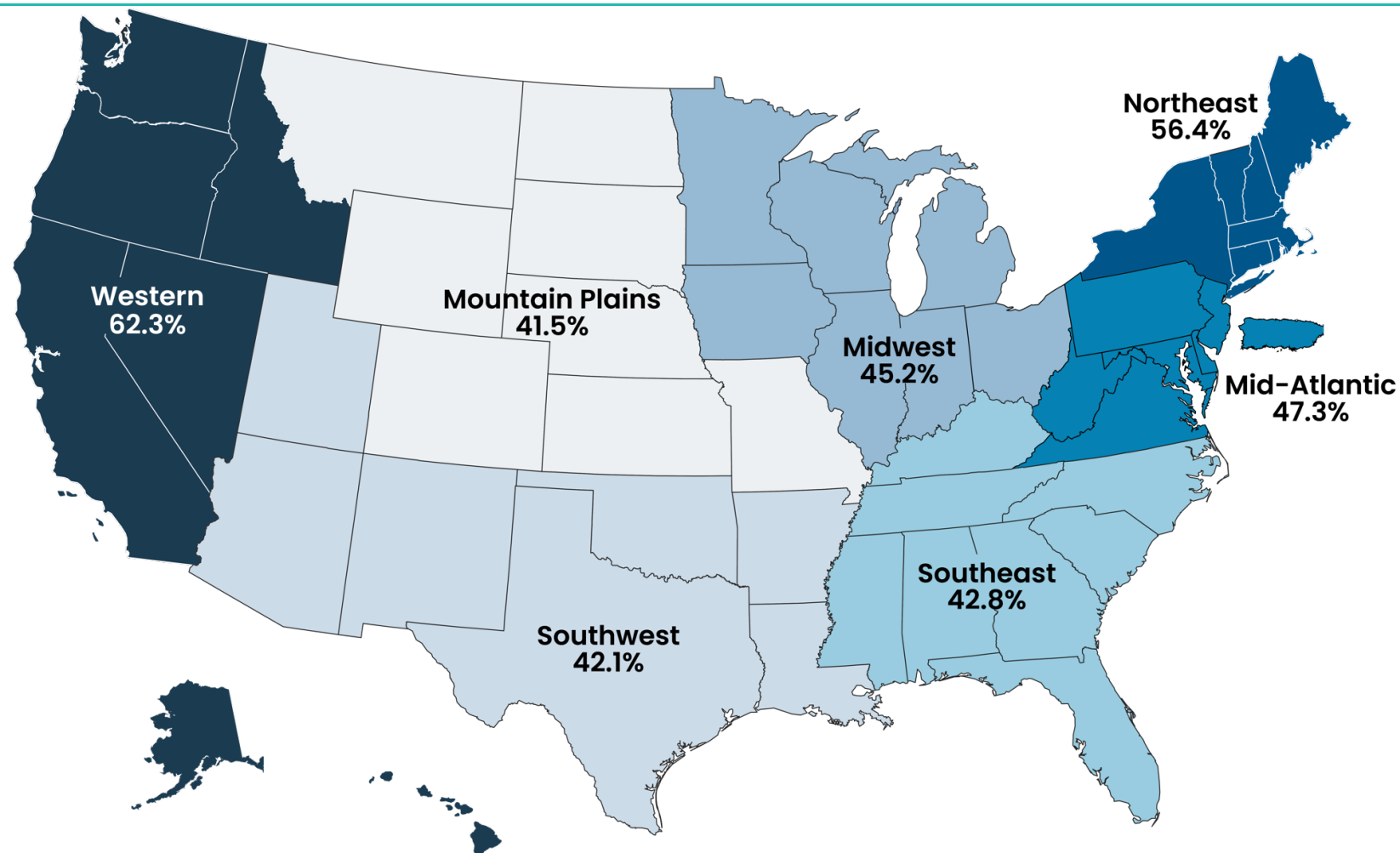
Note: Data for figure E.3 are available in table F.3 in appendix F.

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.4. WIC coverage rate for pregnant women by FNS Region: CY 2023

National coverage rate for pregnant women: 49.3 percent
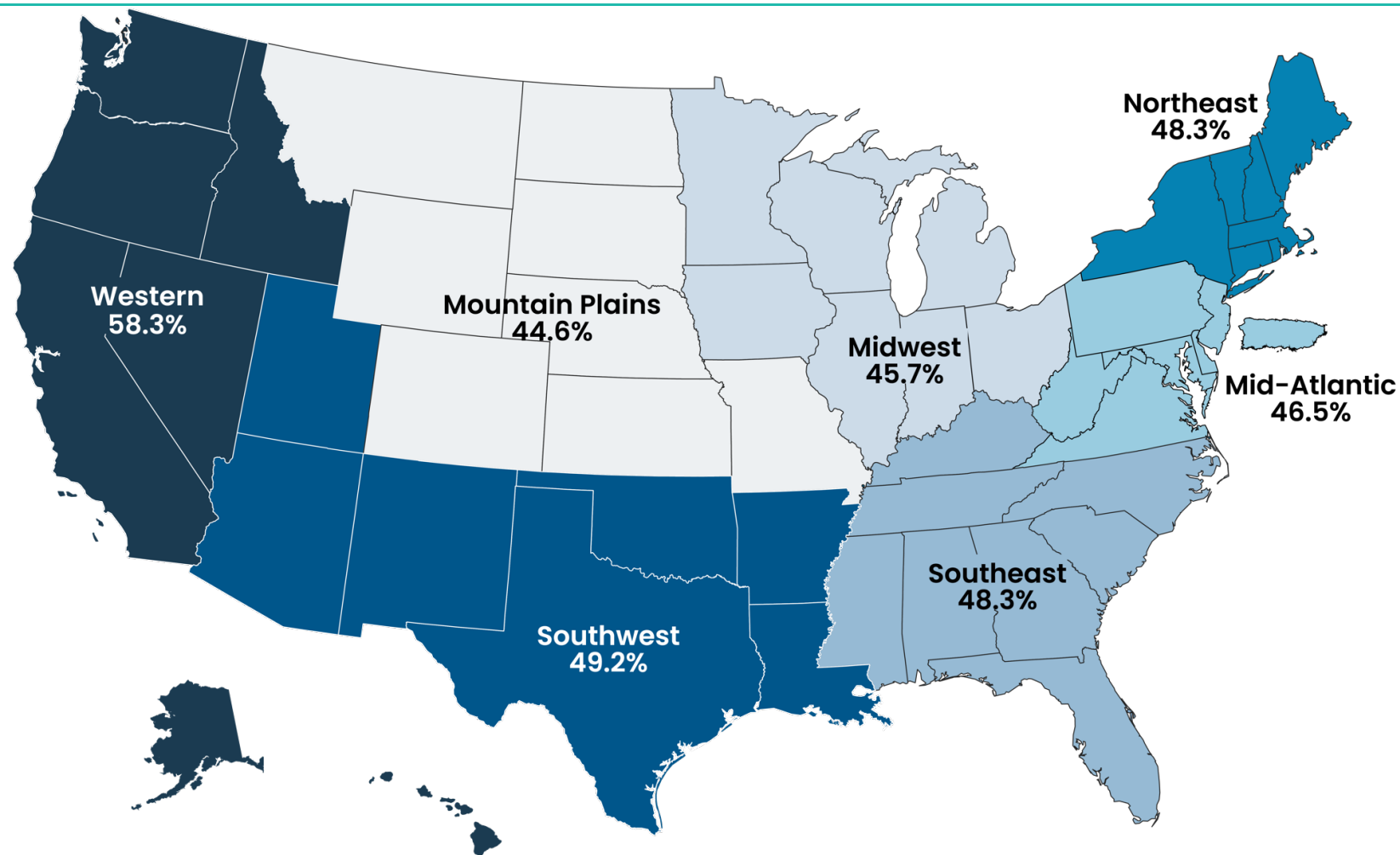
Note: Data for figure E.4 are available in table F.3 in appendix F.
CY = calendar year; FNS = Food and Nutrition Service
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.5. WIC coverage rate for postpartum women by FNS Region: CY 2023

National coverage rate for postpartum women: 72.8 percent

Western 75.4%

Mountain Plains 64.8%

Midwest 70.1%

Northeast 73.0%

Mid-Atlantic 68.9%

Southeast 68.1%

Southwest 82.1%
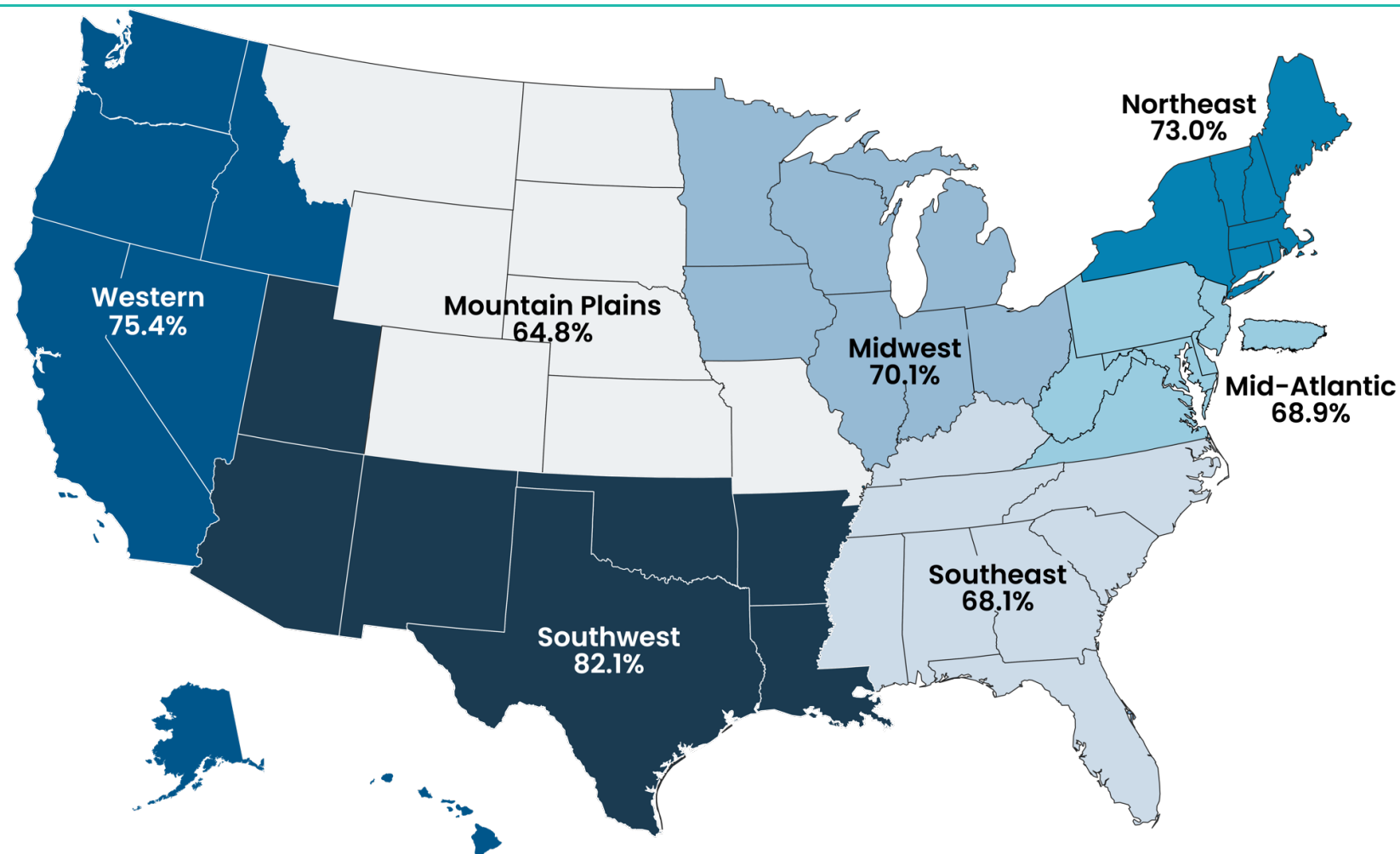
Note: Data for figure E.5 are available in table F.3 in appendix F.

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.6. WIC coverage rate for total eligible individuals by State: CY 2023

National coverage rate for all eligible individuals: 56.1 percent

Legend:
- Less than 39.9%
- 40%–49.9%
- 50%–59.9%
- 60%–69.9%
- 70%–79.9%
- 80% or greater

State values shown on map:
- 54.8%
- 42.9%
- 51.6%
- 63.1%
- 44.9%
- 57.5%
- 66.2%
- 55.2%
- 43.4%
- 56.0%
- 62.6%
- 62.4%
- 47.7%
- 44.5%
- 54.2%
- 59.6%
- 54.3%
- 43.7%
- 72.4%
- 45.5%
- 58.3%
- 44.3%
- 59.2%
- 47.2%
- 59.5%
- 43.9%
- 50.6%
- 43.0%
- 62.1%
- 61.8%
- 54.2%
- 45.7%
- 47.4%
- 44.3%
- 56.7%
- 45.6%
- 51.4%
- 47.7%
- 41.3%
- 52.9%
- 50.3%
- 57.3%
- 83.8%

CT: 48.1%
DC: 59.0%
DE: 61.5%
MA: 68.7%
MD: 61.2%
NH: 49.5%
NJ: 58.3%
RI: 60.6%
VT: 79.6%
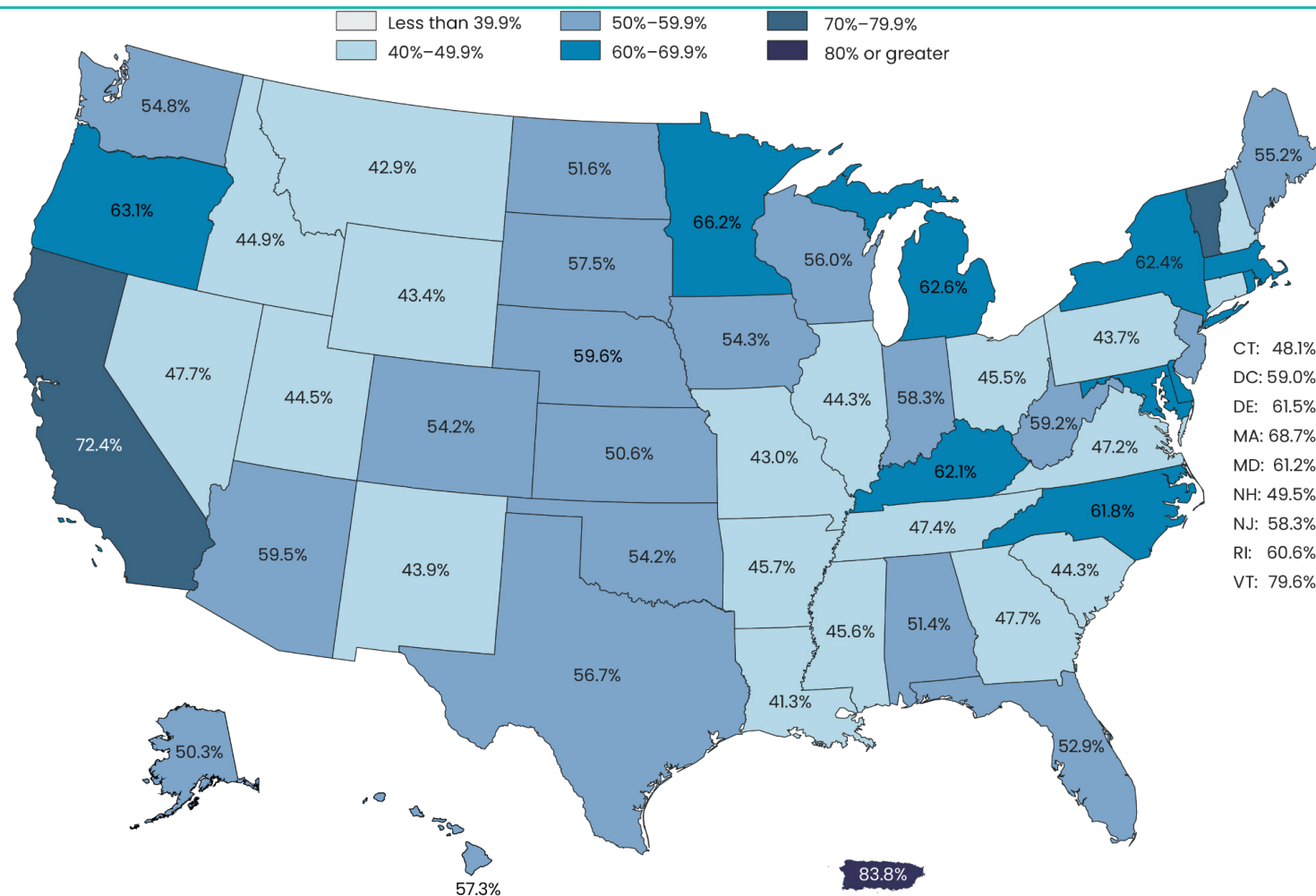
Note: Data for figure E.6 are available in table F.3 in appendix F.

CY = calendar year

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.7. WIC coverage rate for infants by State: CY 2023

National coverage rate for infants: 82.3 percent

Legend:
- Less than 39.9%
- 40%–49.9%
- 50%–59.9%
- 60%–69.9%
- 70%–79.9%
- 80% or greater

State values shown on map:
70.0%, 69.2%, 72.9%, 95.0%, 83.5%, 93.2%, 77.1%, 76.4%, 61.2%, 85.8%, 84.5%, 59.7%, 80.7%, 67.5%, 71.8%, 77.8%, 80.3%, 86.7%, 74.1%, 87.4%, 64.1%, 75.9%, 78.5%, 77.4%, 88.0%, 76.2%, 90.3%, 91.4%, 84.4%, 73.7%, 80.6%, 79.1%, 82.7%, 70.0%, 85.8%, 86.1%, 89.0%, 84.0%, 77.7%, 71.7%, 80.1%, 76.5%, 89.2%

CT: 70.1%
DC: 95.9%
DE: 93.8%
MA: 87.4%
MD: 91.1%
NH: 59.1%
NJ: 82.9%
RI: 92.0%
VT: 99.4%

Note: Data for figure E.7 are available in table F.3 in appendix F.

CY = calendar year

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.8. WIC coverage rate for children by State: CY 2023

National coverage rate for children: 47.9 percent

Less than 39.9%	50%–59.9%	70%–79.9%
40%–49.9%	60%–69.9%	80% or greater

CT: 42.8%
DC: 46.1%
DE: 53.3%
MA: 64.6%
MD: 52.0%
NH: 49.3%
NJ: 51.0%
RI: 51.7%
VT: 74.9%

Note: Data for figure E.8 are available in table F.3 in appendix F.

CY = calendar year

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.9. WIC coverage rate for pregnant women by State: CY 2023

National coverage rate for pregnant women: 49.3 percent

Legend:
- Less than 39.9%
- 40%–49.9%
- 50%–59.9%
- 60%–69.9%
- 70%–79.9%
- 80% or greater

State values shown on map:
- WA: 50.6%
- OR: 49.7%
- CA: 64.5%
- NV: 36.3%
- ID: 34.8%
- MT: 43.5%
- WY: 38.1%
- UT: 45.1%
- AZ: 44.1%
- CO: 33.6%
- NM: 43.1%
- ND: 38.2%
- SD: 51.8%
- NE: 43.8%
- KS: 48.3%
- OK: 60.5%
- TX: 51.8%
- MN: 55.6%
- IA: 42.5%
- MO: 43.8%
- AR: 48.0%
- LA: 38.5%
- WI: 47.7%
- IL: 44.1%
- IN: 44.1%
- MI: 57.6%
- KY: 53.3%
- TN: 49.8%
- MS: 35.6%
- AL: 54.6%
- ME: 40.1%
- NY: 47.5%
- PA: 49.9%
- OH: 35.0%
- WV: 40.9%
- VA: 56.1%
- NC: 56.1%
- SC: 48.8%
- GA: 37.7%
- FL: 46.0%
- AK: 51.6%
- HI: 51.3%
- PR: 75.7%

- CT: 44.9%
- DC: 46.0%
- DE: 56.4%
- MA: 55.9%
- MD: 57.2%
- NH: 34.4%
- NJ: 46.2%
- RI: 55.9%
- VT: 64.1%

Note: Data for figure E.9 are available in table F.3 in appendix F.

CY = calendar year

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.10. WIC coverage rate for postpartum women by State: CY 2023

National coverage rate for postpartum women: 72.8 percent

Legend:
- Less than 39.9%
- 40%–49.9%
- 50%–59.9%
- 60%–69.9%
- 70%–79.9%
- 80% or greater

State values shown on map:
- 64.3%
- 53.7%
- 62.6%
- 70.1%
- 56.5%
- 66.3%
- 52.7%
- 81.6%
- 76.8%
- 69.4%
- 59.4%
- 66.7%
- 57.8%
- 65.7%
- 61.0%
- 76.4%
- 71.8%
- 59.1%
- 79.5%
- 68.5%
- 70.5%
- 63.3%
- 61.4%
- 67.4%
- 58.2%
- 56.0%
- 80.4%
- 71.0%
- 63.5%
- 63.9%
- 60.1%
- 65.5%
- 77.3%
- 94.1%
- 64.4%
- 63.8%
- 60.6%
- 54.1%
- 68.1%
- 74.3%
- 57.7%
- 65.4%
- 91.1%

- CT: 49.4%
- DC: 89.1%
- DE: 71.0%
- MA: 77.0%
- MD: 75.4%
- NH: 50.8%
- NJ: 79.4%
- RI: 75.5%
- VT: 96.7%
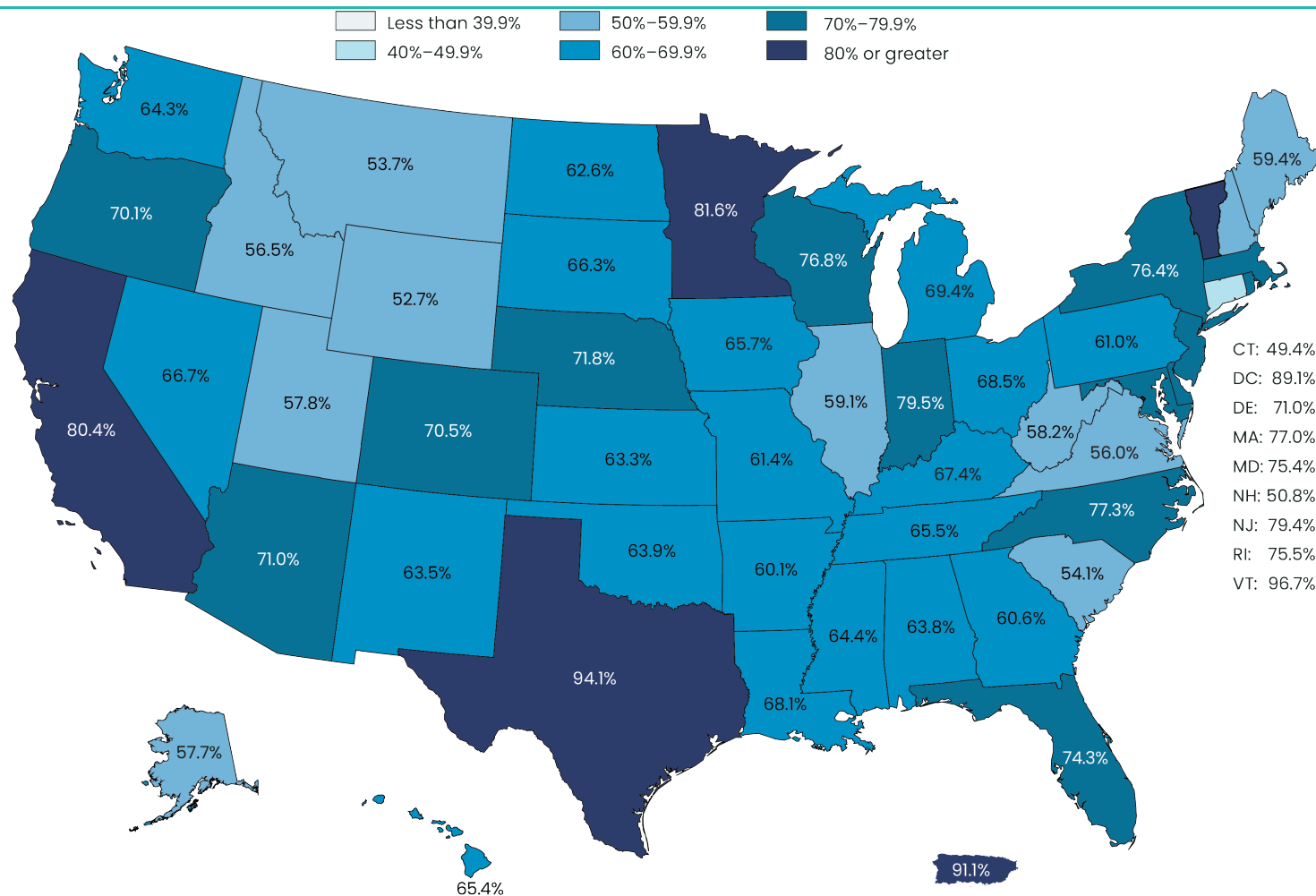
Note: Data for figure E.10 are available in table F.3 in appendix F.

CY = calendar year

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Figure E.11. WIC coverage rate for Hispanic/Latino individuals by State: CY 2023

National coverage rate for Hispanic/Latino individuals: 66.0 percent
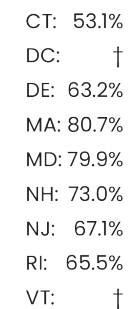
Less than 39.9%	
40%–49.9%	
50%–59.9%	
60%–69.9%	
70%–79.9%	
80% or greater	

[Map of the United States showing WIC coverage rates by state]

WA: 61.4%
OR: 60.0%
CA: 81.6%
NV: 47.7%
ID: 45.9%
MT: 23.8%
WY: 38.7%
UT: 52.5%
CO: 56.6%
AZ: 62.0%
NM: 45.5%
ND: 45.7%
SD: 45.3%
NE: 67.1%
KS: 59.2%
OK: 56.7%
TX: 63.4%
MN: 70.7%
IA: 70.5%
MO: 46.2%
AR: 50.7%
LA: 42.7%
WI: 60.6%
IL: 53.6%
MS: 48.4%
MI: 73.5%
IN: 64.7%
KY: 66.5%
TN: 49.5%
AL: 68.3%
OH: 49.8%
WV: 61.4%
VA: 66.7%
NC: 65.0%
GA: 49.5%
FL: 63.8%
PA: 49.0%
NY: 66.4%
ME: 72.7%
AK: 79.5%
HI: 51.7%

CT: 53.1%
DC: †
DE: 63.2%
MA: 80.7%
MD: 79.9%
NH: 73.0%
NJ: 67.1%
RI: 65.5%
VT: †

Figure E.12. WIC coverage rate for White-only, not Hispanic individuals by State: CY 2023

National coverage rate for White-only, not Hispanic individuals: 49.2 percent

☐ Less than 39.9%	☐ 50%–59.9%	☐ 70%–79.9%
☐ 40%–49.9%	☐ 60%–69.9%	☐ 80% or greater

CT: 37.7%
DC: 19.0%
DE: 57.4%
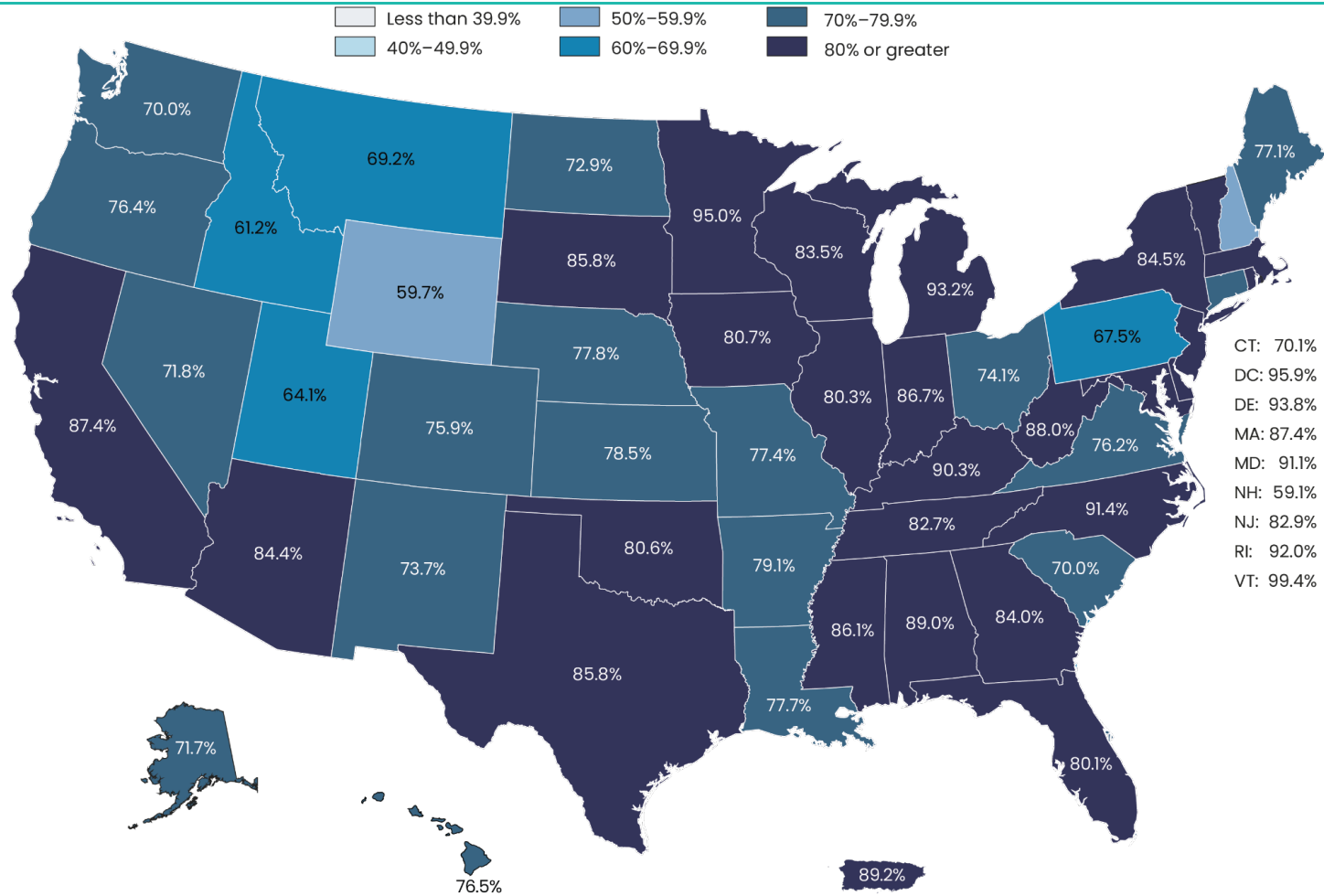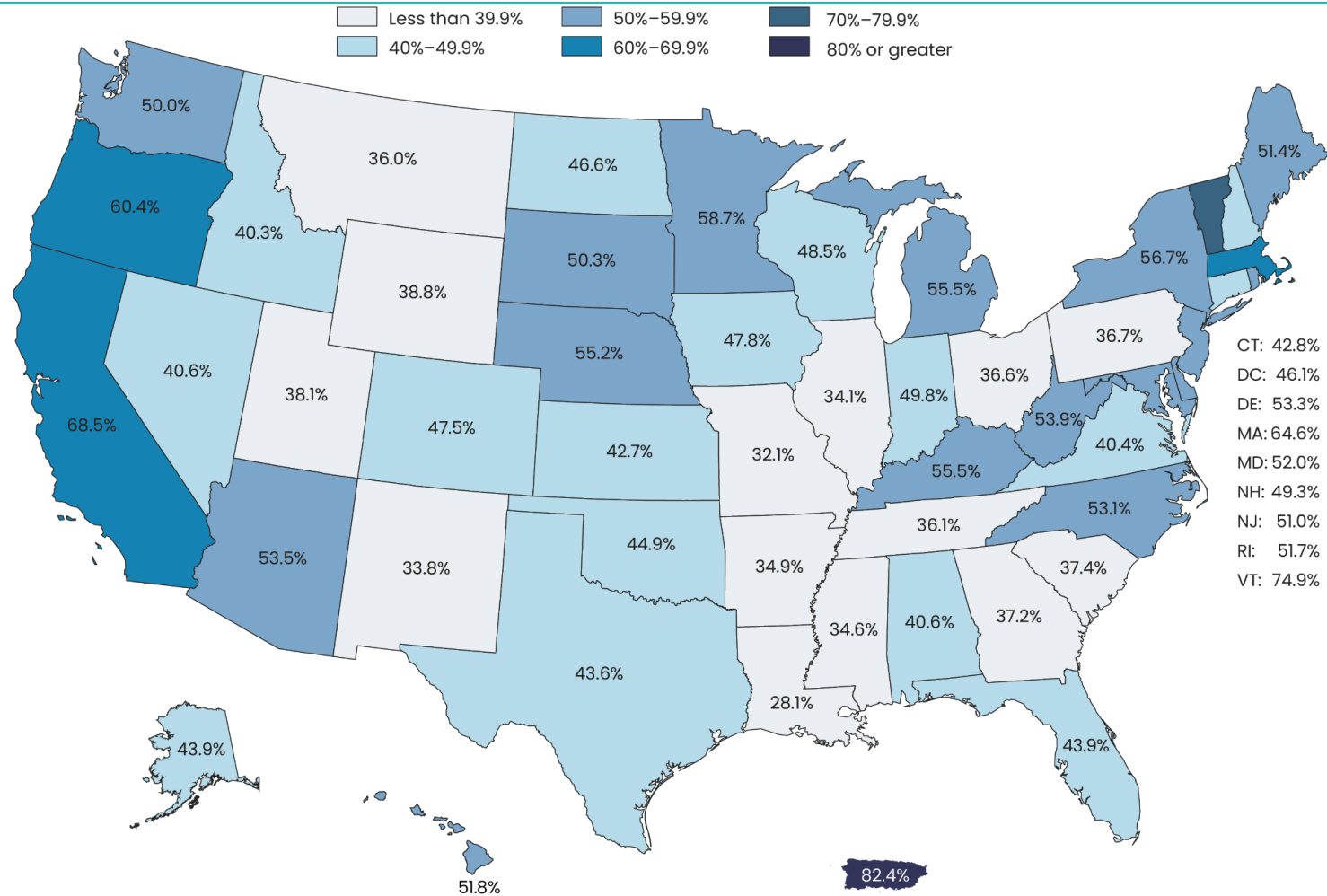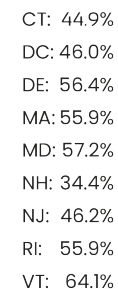MA: 63.9%
MD: 47.2%
NH: 48.9%
NJ: 52.3%
RI: 44.7%
VT: 78.8%

Note: Data for figure E.12 are available in table F.7 in appendix F.
CY = calendar year
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Figure E.13. WIC coverage rate for other than White-only, not Hispanic individuals by State: CY 2023

National coverage rate other than White-only, not Hispanic individuals: 51.4 percent

Legend:
- Less than 39.9%
- 40%–49.9%
- 50%–59.9%
- 60%–69.9%
- 70%–79.9%
- 80% or greater

WA: 52.7%
OR: 54.6%
ID: 45.8%
MT: 59.7%
ND: 61.9%
MN: 70.6%
WI: 68.8%
MI: 61.0%
ME: 60.6%
CA: 61.8%
NV: 40.6%
UT: 46.3%
WY: 49.0%
CO: 34.6%
SD: 86.9%
NE: 71.0%
IA: 58.9%
IL: 38.8%
IN: 61.1%
OH: 43.9%
NY: 65.5%
VT: 85.7%
AZ: 56.3%
NM: 45.8%
KS: 52.9%
MO: 39.4%
KY: 57.6%
WV: 59.5%
VA: 44.4%
NC: 58.4%
OK: 55.4%
AR: 36.8%
TN: 39.8%
SC: 46.6%
MS: 46.4%
AL: 51.2%
GA: 46.8%
TX: 45.2%
LA: 39.3%
FL: 51.3%
AK: 53.2%
HI: 65.3%
PA: 41.1%

CT: 47.9%
DC: 48.6%
DE: 62.9%
MA: 57.5%
MD: 55.2%
NH: 34.1%
NJ: 49.6%
RI: 73.6%
VT: 85.7%

Note: Data for figure E.13 are available in table F.7 in appendix F. 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-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander.

CY = calendar year

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Appendix F

Data for Figures in Volumes I and II

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

Policy and National Events Influencing WIC Operations, Eligibility, and Program Reach

Several external factors and WIC policy changes influenced WIC program operations in 2023. These changes may influence the estimates and trends presented in this report. For example—

- In February 2022, an infant formula recall led to a national formula shortage. Combined with supply chain issues, the formula shortage continued in 2023, leading to shifts in how infants were fed across the Nation (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.

- In FY 2023, Congress continued to fund an increase to the cash value benefit (CVB) that WIC participants use to purchase fruits and vegetables. Although the FY 2023 CVB levels were only modestly adjusted for inflation above the increased CVB funded in FY 2022, this rise may still have had continued impacts on participation extending into 2023.

- The country continued to deal with challenges related to the COVID-19 public health emergency (PHE). Poverty remained relatively high, although some measures suggest a slight increase in family incomes. Medicaid and SNAP participation also continued at high levels, although these programs began "unwinding" COVID-19 flexibilities that temporarily increased enrollment. Some WIC clinics began shifting back to pre-COVID policies, while others continued to waive physical presence requirements and issued benefits electronically in an effort to modernize the program. The impact of WIC waivers may have varied across State agencies with different policies. For example, some State agencies used offline EBT technology that did not allow for remote benefit issuance, while others had online systems that allowed them to issue benefits remotely.

Table F.1. Number of individuals eligible for WIC by participant category: CY 2016–CY 2023

Participant category	2016	2017	2018	2019	2020	2021	2022	2023
Infants	2,162,700	2,139,130	1,998,988	1,900,491	1,862,033	1,846,394	1,830,448	1,796,821
Children	9,023,248	8,847,389	8,123,987	7,726,475	7,784,680	7,851,014	7,523,916	7,626,138
1-year-old children	2,306,123	2,222,959	2,012,357	1,837,802	1,942,173	1,852,884	1,852,300	1,883,018
2-year-old children	2,284,503	2,304,834	2,043,373	1,916,514	1,916,424	2,051,553	1,909,244	1,914,319
3-year-old children	2,235,416	2,211,684	2,066,549	1,948,148	1,970,726	1,932,072	1,864,052	1,937,138
4-year-old children	2,197,205	2,107,912	2,001,709	2,024,011	1,955,357	2,014,506	1,898,321	1,891,664
Pregnant women	1,287,402	1,221,038	1,144,961	1,091,257	1,103,246	1,128,406	1,124,940	1,091,474
Postpartum women	1,532,362	1,532,105	1,423,761	1,356,486	1,331,757	1,305,482	1,313,719	1,314,781
Breastfeeding women	969,380	978,905	896,644	851,671	833,152	796,911	822,967	848,829
Non-breastfeeding women	562,982	553,199	527,117	504,816	498,605	508,571	490,752	465,952
Total	14,005,712	13,739,662	12,691,698	12,074,709	12,081,717	12,131,296	11,793,023	11,829,215

Note: The estimates for CY 2016–CY 2020 are consistent with the results published in the CY 2021 report (Kessler et al., 2023) but differ from initial results published for those years because of updates to the methodology.
CY = calendar year
Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table F.2. Regional-level number of individuals eligible for WIC by participant category: CY 2016–CY 2023

FNS Region	2016	2017	2018	2019	2020	2021	2022	2023
Infants								
Northeast	195,571	194,517	182,833	175,528	169,226	162,956	165,925	163,121
Mid-Atlantic	233,289	226,104	214,334	207,143	209,911	204,462	205,520	199,962
Southeast	464,011	451,608	435,215	417,557	408,359	433,693	418,253	406,260
Midwest	318,884	303,629	288,236	289,496	282,534	274,912	267,008	261,702
Southwest	351,499	351,157	331,478	372,765	371,978	367,909	370,226	370,897
Mountain Plains	160,187	156,823	139,412	105,365	102,428	96,458	94,274	92,982
Western	439,260	455,293	407,481	332,637	317,597	306,004	309,242	301,897
Total	**2,162,700**	**2,139,130**	**1,998,988**	**1,900,491**	**1,862,033**	**1,846,394**	**1,830,448**	**1,796,821**
Children								
Northeast	814,155	793,811	727,978	710,436	704,310	707,007	672,796	679,194
Mid-Atlantic	1,008,060	978,668	895,931	867,928	875,550	896,476	867,162	878,931
Southeast	1,928,171	1,909,225	1,768,559	1,696,497	1,727,544	1,740,291	1,692,988	1,742,117
Midwest	1,328,270	1,296,289	1,173,190	1,192,302	1,202,216	1,216,543	1,160,676	1,159,476
Southwest	1,422,010	1,404,750	1,324,407	1,473,218	1,508,930	1,532,537	1,483,533	1,495,818
Mountain Plains	627,401	624,197	563,229	409,254	410,421	412,096	397,016	404,410
Western	1,895,181	1,840,449	1,670,693	1,376,840	1,355,709	1,346,064	1,249,745	1,266,192
Total	**9,023,248**	**8,847,389**	**8,123,987**	**7,726,475**	**7,784,680**	**7,851,014**	**7,523,916**	**7,626,138**
Pregnant women								
Northeast	115,986	110,549	104,406	100,288	100,216	99,926	102,076	98,256
Mid-Atlantic	142,457	134,488	126,359	122,197	126,381	125,962	128,389	123,563
Southeast	282,111	270,641	254,908	245,202	245,693	262,626	260,723	252,525
Midwest	191,623	179,006	170,912	169,632	169,381	172,370	170,955	162,574
Southwest	206,389	193,643	183,142	209,204	217,731	220,278	220,491	221,876
Mountain Plains	94,591	90,284	81,940	60,819	60,560	61,464	59,957	56,641
Western	254,245	242,426	223,294	183,914	183,285	185,780	182,348	176,040
Total	**1,287,402**	**1,221,038**	**1,144,961**	**1,091,257**	**1,103,246**	**1,128,406**	**1,124,940**	**1,091,474**

FNS Region	2016	2017	2018	2019	2020	2021	2022	2023
Postpartum breastfeeding women								
Northeast	94,579	93,703	90,084	86,372	83,028	78,529	83,436	85,870
Mid-Atlantic	105,515	103,633	103,504	100,069	101,657	94,734	98,927	100,552
Southeast	189,501	181,749	175,624	168,666	165,142	165,009	169,075	176,666
Midwest	134,848	130,765	119,793	120,423	117,131	109,884	109,111	114,903
Southwest	145,896	152,332	132,567	153,117	152,478	144,988	152,621	156,305
Mountain Plains	76,886	75,704	63,112	48,136	46,940	43,801	44,412	46,065
Western	222,155	241,019	211,959	174,887	166,776	159,967	165,385	168,468
Total	**969,380**	**978,905**	**896,644**	**851,671**	**833,152**	**796,911**	**822,967**	**848,829**
Postpartum non-breastfeeding women								
Northeast	47,801	48,452	44,653	43,159	42,041	40,836	40,115	38,001
Mid-Atlantic	60,299	57,674	52,728	51,208	52,142	52,685	51,946	48,943
Southeast	131,162	130,825	125,987	121,556	119,509	132,180	121,629	112,775
Midwest	87,713	83,115	80,902	81,857	80,712	80,156	77,154	72,598
Southwest	96,374	93,808	95,346	105,777	106,398	109,312	106,748	104,678
Mountain Plains	39,150	38,557	36,383	27,485	26,828	25,327	24,301	23,265
Western	100,484	100,769	91,119	73,773	70,977	68,075	68,860	65,693
Total	**562,982**	**553,199**	**527,117**	**504,816**	**498,605**	**508,571**	**490,752**	**465,952**

Note: The estimates for CY 2016–CY 2020 are consistent with the results published in the CY 2021 report (Kessler et al., 2023) but differ from initial results published for those years because of updates to the methodology.

CY = calendar year

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

Table F.3. WIC coverage rate (percentage) by State and FNS Region and participant category: CY 2023

State/FNS Region	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum women	Total
State									
Alabama	89.0	40.6	58.1	47.4	34.4	22.0	54.6	63.8	51.4
Alaska	71.7	43.9	61.8	48.7	41.2	24.0	51.6	57.7	50.3
Arizona	84.4	53.5	73.5	58.0	51.2	30.6	44.1	71.0	59.5
Arkansas	79.1	34.9	49.7	35.6	30.4	22.2	48.0	60.1	45.7
California	87.4	68.5	98.1	71.0	67.9	38.4	64.5	80.4	72.4
Colorado	75.9	47.5	69.1	50.8	43.8	26.8	45.1	70.5	54.2
Connecticut	70.1	42.8	64.1	45.9	39.7	24.2	44.9	49.4	48.1
Delaware	93.8	53.3	93.4	56.1	46.9	26.1	56.4	71.0	61.5
District of Columbia	95.9	46.1	72.2	49.4	35.9	31.9	46.0	89.1	59.0
Florida	80.1	43.9	60.0	50.4	39.9	24.4	46.0	74.3	52.9
Georgia	84.0	37.2	49.7	43.2	36.6	18.6	48.8	60.6	47.7
Hawaii	76.5	51.8	80.3	55.9	50.6	27.5	51.3	65.4	57.3
Idaho	61.2	40.3	59.6	45.1	35.8	21.7	34.8	56.5	44.9
Illinois	80.3	34.1	49.2	34.0	27.7	27.0	44.1	59.1	44.3
Indiana	86.7	49.8	60.2	55.5	51.0	30.6	44.1	79.5	58.3
Iowa	80.7	47.8	70.6	52.7	41.7	26.8	42.5	65.7	54.3
Kansas	78.5	42.7	58.8	47.4	41.9	22.7	48.3	63.3	50.6
Kentucky	90.3	55.5	80.7	62.9	49.6	28.4	53.3	67.4	62.1
Louisiana	77.7	28.1	44.7	27.5	24.2	14.1	38.5	68.1	41.3
Maine	77.1	51.4	81.3	56.6	53.6	26.6	40.1	59.4	55.2
Maryland	91.1	52.0	69.0	64.0	43.7	31.7	57.2	75.4	61.2
Massachusetts	87.4	64.6	99.6	67.6	58.3	36.8	55.9	77.0	68.7
Michigan	93.2	55.5	76.5	65.0	55.5	27.7	57.6	69.4	62.6
Minnesota	95.0	58.7	72.5	68.2	56.3	38.6	55.6	81.6	66.2
Mississippi	86.1	34.6	45.4	37.8	36.9	17.7	35.6	64.4	45.6
Missouri	77.4	32.1	49.3	33.0	29.5	17.2	43.8	61.4	43.0
Montana	69.2	36.0	59.0	39.0	35.7	16.3	43.5	53.7	42.9

State/FNS Region	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum women	Total
Nebraska	77.8	55.2	77.5	61.1	53.5	30.2	43.8	71.8	59.6
Nevada	71.8	40.6	54.1	43.5	37.8	25.7	36.3	66.7	47.7
New Hampshire	59.1	49.3	60.9	53.4	47.9	33.3	34.4	50.8	49.5
New Jersey	82.9	51.0	74.0	56.6	47.9	26.7	46.2	79.4	58.3
New Mexico	73.7	33.8	57.2	31.7	23.6	23.7	43.1	63.5	43.9
New York	84.5	56.7	75.9	64.4	54.5	32.7	47.5	76.4	62.4
North Carolina	91.4	53.1	69.6	67.4	48.1	27.0	56.1	77.3	61.8
North Dakota	72.9	46.6	65.7	64.6	38.1	24.2	38.2	62.6	51.6
Ohio	74.1	36.6	60.4	36.1	32.5	17.6	35.0	68.5	45.5
Oklahoma	80.6	44.9	54.1	53.6	44.5	28.1	60.5	63.9	54.2
Oregon	76.4	60.4	†	62.7	56.4	28.9	49.7	70.1	63.1
Pennsylvania	67.5	36.7	55.4	42.3	34.1	16.2	34.6	61.0	43.7
Rhode Island	92.0	51.7	77.7	55.1	55.4	23.8	55.9	75.5	60.6
South Carolina	70.0	37.4	52.4	44.8	33.0	17.0	37.7	54.1	44.3
South Dakota	85.8	50.3	65.1	38.8	51.0	50.4	51.8	66.3	57.5
Tennessee	82.7	36.1	55.4	38.9	32.4	18.0	49.8	65.5	47.4
Texas	85.8	43.6	65.2	44.4	40.6	23.1	51.8	94.1	56.7
Utah	64.1	38.1	58.0	38.4	34.6	22.0	38.1	57.8	44.5
Vermont	99.4	74.9	†	78.1	70.1	46.5	64.1	96.7	79.6
Virginia	76.2	40.4	38.2	52.2	44.2	27.4	40.9	56.0	47.2
Washington	70.0	50.0	66.0	55.2	47.5	32.4	50.6	64.3	54.8
West Virginia	88.0	53.9	80.5	54.0	46.0	35.3	49.9	58.2	59.2
Wisconsin	83.5	48.5	69.8	52.3	44.8	28.2	47.7	76.8	56.0
Wyoming	59.7	38.8	70.2	35.6	28.2	27.6	33.6	52.7	43.4

State/FNS Region	Infants	All children	1-year-old children	2-year-old children	3-year-old children	4-year-old children	Pregnant women	Postpartum women	Total
FNS Region									
Northeast	83.0	56.4	78.7	62.5	53.8	32.2	48.3	73.0	61.7
Mid-Atlantic	79.6	47.3	63.7	54.7	44.8	26.8	46.5	68.9	54.4
Southeast	83.6	42.8	59.0	50.0	39.4	22.3	48.3	68.1	52.2
Midwest	83.8	45.2	63.5	49.0	42.1	26.7	45.7	70.1	53.6
Southwest	82.8	42.1	61.6	43.7	39.0	23.4	49.2	82.1	53.6
Mountain Plains	76.5	41.5	60.8	43.9	38.6	23.5	44.6	64.8	49.6
Western	82.0	62.3	89.0	65.3	61.0	35.3	58.3	75.4	66.5
Total	**82.3**	**47.9**	**67.4**	**52.5**	**45.2**	**26.9**	**49.3**	**72.8**	**56.1**

Note: Estimates for the U.S. territories are included in the total but are not shown separately because of small sample sizes. 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 appendix B for more details on statistical uncertainty for these estimates. State and FNS Region eligibility estimates and participant data include individuals in ITOs who were eligible for WIC.

CY = calendar year; FNS = Food and Nutrition Service; ITO = Indian Tribal Organization

[†] Indicates an unreliable coverage rate over 100 percent

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; Zvavitch et al., 2024

Table F.4. WIC coverage rate (percentage) by participant category: CY 2016–CY 2023

Participant category	2016	2017	2018	2019	2020	2021	2022	2023
Total	54.2	52.3	53.2	52.3	52.0	51.2	53.5	56.1
Infants	85.7	82.6	84.4	83.7	82.5	78.0	78.4	82.3
Children	43.5	41.8	42.6	41.7	42.6	43.2	46.0	47.9
1-year-old children	59.5	58.2	58.7	59.9	60.0	64.3	64.6	67.4
2-year-old children	46.1	43.1	45.7	45.4	46.2	44.2	49.8	52.5
3-year-old children	41.7	39.7	40.4	40.0	39.6	41.4	44.4	45.2
4-year-old children	26.0	25.5	25.4	23.4	24.8	24.7	25.4	26.9
Pregnant women	55.0	53.9	53.0	51.1	46.2	43.7	45.6	49.3
Postpartum women	72.2	68.9	69.9	69.3	69.2	67.2	68.9	72.8
Breastfeeding women	60.9	58.3	59.9	59.6	60.9	60.8	66.3	70.8
Non-breastfeeding women	91.6	87.8	86.9	85.5	82.9	77.2	73.4	76.6

Note: All values in the table are coverage rates (percentages).
CY = calendar year
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; Zvavitch et al., 2024

Table F.5. WIC coverage rate (percentage) by FNS Region and participant category: CY 2016–CY 2023

FNS Region	2016	2017	2018	2019	2020	2021	2022	2023
All participants								
Total	**54.2**	**52.3**	**53.2**	**52.3**	**52.0**	**51.2**	**53.5**	**56.1**
Northeast	53.9	52.6	54.2	52.0	52.5	53.9	58.3	61.7
Mid-Atlantic	56.9	55.2	55.1	54.1	52.7	51.4	52.0	54.4
Southeast	51.3	50.0	50.6	49.5	50.2	48.7	50.7	52.2
Midwest	50.7	50.1	51.8	51.6	51.4	49.0	51.2	53.6
Southwest	54.8	52.6	50.7	50.1	48.2	46.7	49.8	53.6
Mountain Plains	48.6	47.3	50.3	49.0	47.1	45.2	46.8	49.6
Western	59.9	56.0	58.4	58.5	59.9	61.7	64.4	66.5
Infants								
Total	**85.7**	**82.6**	**84.4**	**83.7**	**82.5**	**78.0**	**78.4**	**82.3**
Northeast	80.5	77.9	79.7	78.0	78.5	77.5	79.3	83.0
Mid-Atlantic	90.7	87.8	87.5	85.9	80.5	77.8	77.0	79.6
Southeast	84.3	84.4	86.4	85.6	86.0	76.4	78.6	83.6
Midwest	88.4	88.9	89.8	89.2	88.8	81.9	80.2	83.8
Southwest	88.9	84.4	83.3	82.9	80.9	77.5	77.9	82.8
Mountain Plains	76.3	74.0	79.9	76.6	75.1	73.2	72.4	76.5
Western	85.8	77.7	81.4	81.4	80.3	79.3	79.4	82.0
Children								
Total	**43.5**	**41.8**	**42.6**	**41.7**	**42.6**	**43.2**	**46.0**	**47.9**
Northeast	45.3	44.1	45.8	43.9	45.3	47.8	53.2	56.4
Mid-Atlantic	46.7	45.2	45.1	44.4	44.7	44.0	45.0	47.3
Southeast	39.6	37.9	38.1	37.2	39.1	40.4	42.4	42.8
Midwest	39.3	38.4	40.3	40.2	41.1	40.4	43.3	45.2
Southwest	41.2	39.6	37.4	37.1	35.8	35.2	38.6	42.1
Mountain Plains	39.3	38.2	40.4	39.8	38.5	37.3	39.4	41.5
Western	51.1	48.6	51.0	51.3	54.3	57.6	60.8	62.3

FNS Region	2016	2017	2018	2019	2020	2021	2022	2023
Pregnant women								
Total	55.0	53.9	53.0	51.1	46.2	43.7	45.6	49.3
Northeast	52.6	51.7	50.7	49.1	42.7	43.0	44.5	48.3
Mid-Atlantic	58.5	57.3	55.3	52.2	44.2	43.6	43.3	46.5
Southeast	53.0	53.4	54.5	51.9	47.8	42.5	44.4	48.3
Midwest	52.1	51.7	49.5	49.7	45.3	42.1	41.9	45.7
Southwest	57.1	56.2	52.4	49.0	44.0	42.0	46.2	49.2
Mountain Plains	47.5	46.9	48.1	47.1	41.5	38.0	40.0	44.6
Western	59.5	55.9	55.8	55.4	52.4	50.9	54.0	58.3
Postpartum women								
Total	72.2	68.9	69.9	69.3	69.2	67.2	68.9	72.8
Northeast	67.9	66.0	67.3	63.8	65.2	66.5	69.2	73.0
Mid-Atlantic	70.2	68.6	67.8	68.1	67.1	66.2	65.4	68.9
Southeast	72.1	71.0	68.5	67.5	68.0	61.7	64.1	68.1
Midwest	63.4	64.4	66.2	66.6	65.9	63.2	67.5	70.1
Southwest	83.4	78.5	78.9	77.6	77.1	75.4	76.7	82.1
Mountain Plains	62.1	60.6	66.5	62.1	61.0	60.1	60.5	64.8
Western	76.4	67.1	70.2	70.4	70.6	71.5	72.1	75.4

Note: CY = calendar year
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table F.6. Number of individuals eligible for WIC, number participating, and coverage rate by participant category and by race and Hispanic ethnicity: CY 2023

Participant category	Hispanic/ Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
Number eligible					
Infants	681,979	326,289	577,598	206,257	1,792,124
Children	2,762,755	1,698,831	2,359,306	787,071	7,607,962
Pregnant women	395,842	217,851	379,959	94,737	1,088,389
Postpartum women	500,933	234,523	425,535	150,501	1,311,492
Total	**4,341,509**	**2,477,494**	**3,742,399**	**1,238,566**	**11,799,967**
Number participating					
Infants	614,724	324,197	400,253	137,033	1,476,206
Children	1,612,107	683,970	992,727	358,217	3,647,022
Pregnant women	228,464	102,008	169,962	36,841	537,275
Postpartum women	409,944	198,477	277,084	70,227	955,732
Total	**2,865,239**	**1,308,652**	**1,840,027**	**602,318**	**6,616,235**
Coverage rate (%)					
Infants	90.1	99.4	69.3*	66.4	82.4
Children	58.4*	40.3*	42.1*	45.5	47.9
Pregnant women	57.7*	46.8*	44.7*	38.9*	49.4
Postpartum women	81.8*	84.6	65.1*	46.7*	72.9
Total	**66.0***	**52.8***	**49.2***	**48.6***	**56.1**

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.

CY = calendar year

[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.

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

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table F.7. State-level WIC coverage rate (percentage) by race and Hispanic ethnicity: CY 2023

State	Hispanic/Latino	White-only, not Hispanic	Other than White-only, not Hispanic[a]	Total
Alabama	68.3	46.4	51.2	51.4*
Alaska	79.5	40.1*	53.2	50.3*
Arizona	62.0*	55.3*	56.3	59.5*
Arkansas	50.7*	50.9	36.8*	45.7*
California	81.6*	41.1*	61.8*	72.4*
Colorado	56.6*	53.2	49.0	54.2
Connecticut	53.1*	37.7*	47.9	48.1*
Delaware	63.2	57.4	62.9	61.5
District of Columbia	†	19.0*	48.6	59.0
Florida	63.8	39.0*	51.3	52.9*
Georgia	49.5*	48.4	46.8*	47.7*
Hawaii	51.7*	33.2*	65.3*	57.3
Idaho	45.9*	44.2	45.8	44.9*
Illinois	53.6*	41.0*	38.8*	44.3*
Indiana	64.7	54.6*	61.1*	58.3
Iowa	70.5	47.8	58.9	54.3
Kansas	59.2	44.3*	52.9	50.6*
Kentucky	66.5	62.9*	57.6	62.1*
Louisiana	42.7*	44.6*	39.3*	41.3*
Maine	72.7	53.3	60.6	55.2
Maryland	79.9*	47.2	55.2	61.2*
Massachusetts	80.7*	63.9*	57.5*	68.7*
Michigan	73.5*	61.4*	61.0*	62.6*
Minnesota	70.7	60.1*	70.6*	66.2*
Mississippi	48.4*	43.5*	46.4*	45.6*
Missouri	46.2*	44.4*	39.4*	43.0*
Montana	23.8*	42.0*	59.7	42.9*
Nebraska	67.1	48.4	71.0*	59.6
Nevada	47.7*	61.3*	40.6*	47.7*
New Hampshire	73.0	48.9	34.1*	49.5
New Jersey	67.1	52.3	49.6	58.3
New Mexico	45.5*	34.5*	45.8	43.9*
New York	66.4	54.7*	65.5*	62.4*
North Carolina	66.7	62.4*	58.4*	61.8*
North Dakota	45.7*	46.0	61.9	51.6
Ohio	49.8*	45.8*	43.9*	45.5*
Oklahoma	56.7*	51.0	55.4	54.2
Oregon	60.0*	68.0*	54.6	63.1*

State	Hispanic/Latino	White-only, not Hispanic	Other than White-only, not Hispanic[a]	Total
Pennsylvania	49.0[*]	42.5[*]	41.1[*]	43.7[*]
Rhode Island	65.5	44.7	73.6[*]	60.6
South Carolina	45.6[*]	40.5[*]	46.6[*]	44.3[*]
South Dakota	45.3[*]	42.4	86.9[*]	57.5
Tennessee	49.5[*]	52.1	39.8[*]	47.4[*]
Texas	63.4	45.3[*]	45.2[*]	56.7
Utah	52.5[*]	41.7[*]	34.6[*]	44.5[*]
Vermont	[†]	78.8[*]	85.7	79.6[*]
Virginia	65.0	39.3[*]	44.4[*]	47.2[*]
Washington	61.4[*]	49.2	52.7	54.8
West Virginia	61.4	59.0[*]	59.5	59.2
Wisconsin	60.6	45.9	68.8[*]	56.0
Wyoming	38.7[*]	45.0	46.3	43.4[*]
Total	66.0	49.2	51.4	56.1

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.

CY = calendar year

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

[*] Indicates a statistically significant difference at the 95 percent confidence level between the State coverage rate for a participant category's race and ethnicity and the national coverage rate for that category

[†] Indicates an unreliable coverage rate over 100 percent or a coverage rate where the lower bound of the 95 percent confidence interval is below 0 percent and the upper bound is over 100 percent

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table F.8. Number of individuals eligible for WIC, number participating, and coverage rate by FNS Region and participant category: CY 2023

FNS Region	Infants	Children	Pregnant women	Postpartum women	Total
Number eligible					
Northeast	163,121	679,194	98,256	123,870	1,064,441
Mid-Atlantic	199,962	878,931	123,563	149,494	1,351,951
Southeast	406,260	1,742,117	252,525	289,441	2,690,342
Midwest	261,702	1,159,476	162,574	187,501	1,771,253
Southwest	370,897	1,495,818	221,876	260,983	2,349,574
Mountain Plains	92,982	404,410	56,641	69,330	623,362
Western	301,897	1,266,192	176,040	234,161	1,978,290
Total	**1,796,821**	**7,626,138**	**1,091,474**	**1,314,781**	**11,829,215**
Number participating					
Northeast	135,358	383,036	47,501	90,375	656,270
Mid-Atlantic	159,134	415,803	57,437	102,938	735,312
Southeast	339,791	746,430	122,018	197,130	1,405,369
Midwest	219,311	523,848	74,336	131,439	948,934
Southwest	306,918	630,063	109,179	214,359	1,260,519
Mountain Plains	71,086	167,813	25,248	44,923	309,070
Western	247,556	789,086	102,613	176,580	1,315,835
Total	**1,479,155**	**3,656,078**	**538,332**	**957,744**	**6,631,309**
Coverage rate (%)					
Northeast	83.0	56.4[*]	48.3	73.0	61.7[*]
Mid-Atlantic	79.6	47.3	46.5[*]	68.9	54.4
Southeast	83.6	42.8[*]	48.3	68.1	52.2[*]
Midwest	83.8	45.2[*]	45.7[*]	70.1	53.6[*]
Southwest	82.8	42.1[*]	49.2	82.1[*]	53.6[*]
Mountain Plains	76.5	41.5[*]	44.6[*]	64.8[*]	49.6[*]
Western	82.0	62.3[*]	58.3[*]	75.4	66.5[*]
Total	**82.3**	**47.9**	**49.3**	**72.8**	**56.1**

Note: Regional eligibility estimates and participant data include individuals in ITOs who were eligible for WIC or receiving WIC.

CY = calendar year; FNS = Food and Nutrition Service; ITO = Indian Tribal Organization

[*] Indicates a statistically significant difference between the regional coverage rate and the national coverage rate at the 95 percent confidence level

Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

Table F.9. WIC coverage rate (percentage) by participant category and race and Hispanic ethnicity with coefficients of variation: CY 2023

Participant category	Hispanic/ Latino		Black-only, not Hispanic		White-only, not Hispanic		Two or more races or other race, not Hispanic[a]		Total	
	Rate	COV	Rate	COV	Rate	COV	Rate	COV	Rate	COV
Infants	90.1	5.0	99.4	10.9	69.3	7.4	66.4	13.5	82.4	3.9
Children	58.4	2.3	40.3	3.5	42.1	2.8	45.5	5.8	47.9	1.5
Pregnant women	57.7	1.6	46.8	2.3	44.7	1.9	38.9	3.5	49.4	1.1
Postpartum women	81.8	5.0	84.6	10.9	65.1	7.4	46.7	13.5	72.9	3.9
Total	66.0	2.0	52.8	3.2	49.2	2.9	48.6	5.5	56.1	1.4

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. The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. This table does not include estimates for the U.S. territories other than Puerto Rico.
COV = coefficient of variation; CY = calendar year
[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table F.10. WIC coverage rate (percentage) by race and Hispanic ethnicity: CY 2016– CY 2023

Year	Hispanic/ Latino	Black-only, not Hispanic	White-only, not Hispanic	Two or more races or other race, not Hispanic[a]	Total
2016	65.2	56.6	44.0	49.1	54.2
2017	61.3	55.6	44.1	44.1	52.3
2018	60.1	55.2	45.4	50.8	53.2
2019	61.8	56.8	41.6	50.1	52.3
2020	62.8	54.1	41.8	48.6	52.0
2021	58.1	48.5	44.2	55.7	51.2
2022	63.0	49.1	45.9	52.6	53.5
2023	66.0	52.8	49.2	48.6	56.1

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.
CY = calendar year
[a] Non-Hispanic individuals who self-identified as two or more races or as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander are included in the two or more races or other race, not Hispanic category.
Sources: FNS, 2024; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

Table F.11. Trends in WIC nonparticipation rates by participant category: CY 2016–CY 2023

Year	Infants	Children	Pregnant women	Postpartum women	Total
Medicaid all					
2016	38.7	59.4	81.2	38.8	55.7
2017	41.5	60.5	81.5	41.5	57.4
2018	42.6	62.7	83.4	42.7	59.4
2019	43.6	62.4	83.1	43.6	59.1
2020	44.8	63.7	85.4	44.8	60.5
2021	52.2	64.7	86.3	52.3	63.5
2022	47.6	63.2	85.8	47.7	61.0
2023	40.0	58.5	85.0	40.0	56.4
SNAP all					
2016	31.1	48.9	76.0	31.0	46.5
2017	31.9	50.4	77.0	31.8	47.6
2018	34.1	53.1	77.8	34.0	50.1
2019	23.8	47.1	76.2	23.8	43.0
2020	35.2	52.9	81.4	35.2	50.8
2021	42.4	53.6	82.2	42.5	53.5
2022	37.6	54.3	82.7	37.7	52.7
2023	24.8	44.4	79.7	24.7	42.4

Note: CY = calendar year; SNAP = Supplemental Nutrition Assistance Program
Source: U.S. Census Bureau, n.d.-a