

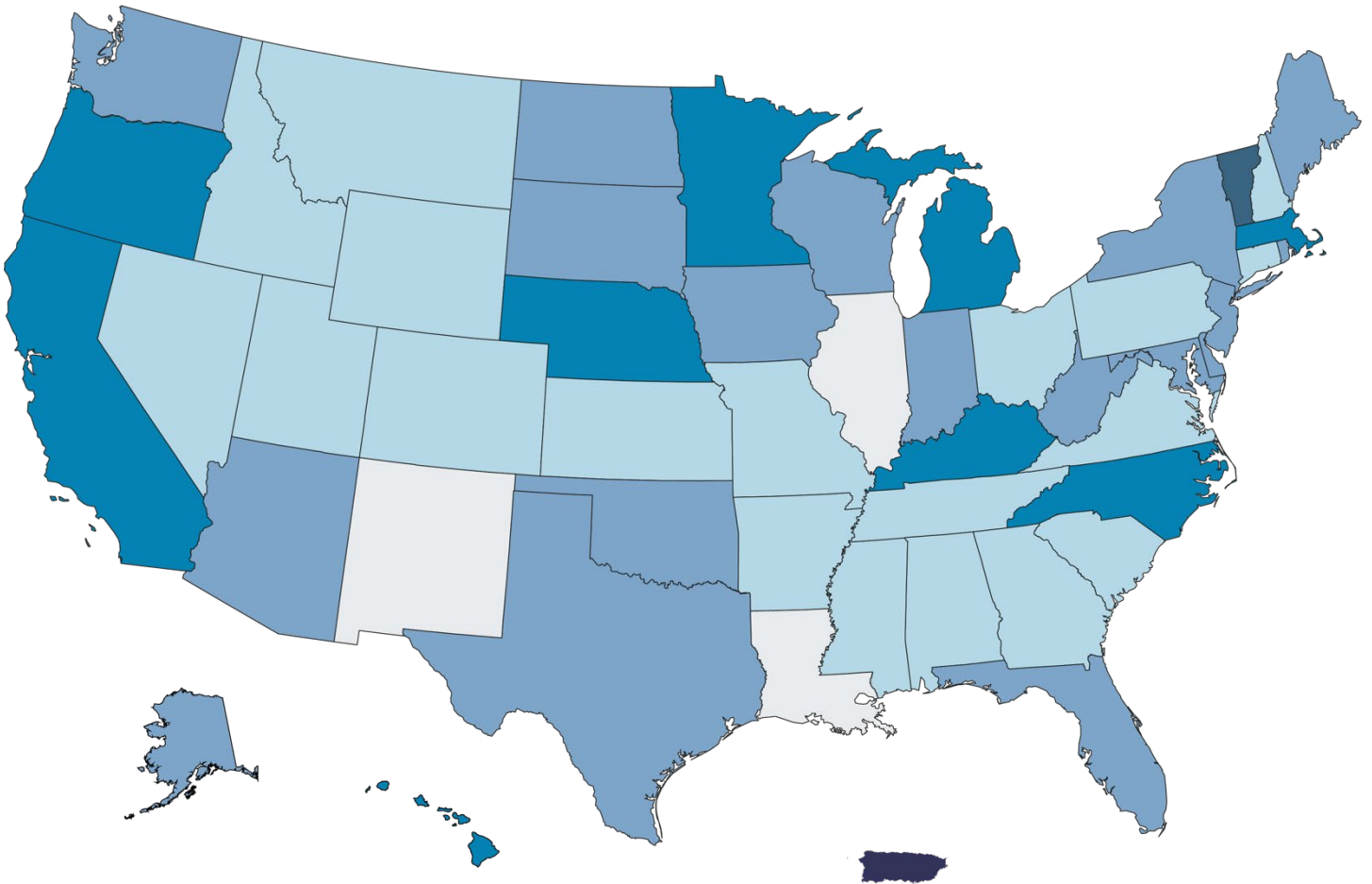


U.S. DEPARTMENT OF AGRICULTURE

---

# Appendices: National- and State-Level Estimates of WIC Eligibility and WIC Program Reach in 2022

## Final Report, Volume II



# **Appendices: National- and State-Level Estimates of WIC Eligibility and WIC Program Reach in 2022 Final Report, Volume II**

**Contract: 12319819A0005  
Order: 12319822F0037**

August 2024

## **Authors**

Courtenay Kessler, Andrew Bryant, Kate Munkacsy, and Kelsey Farson Gray

### **Submitted to**

USDA Food and Nutrition Service  
Contracts Management Division  
1320 Braddock Place  
Alexandria, VA 22314

### **Project Officer**

Grant Lovellette

### **Submitted by**

Insight Policy Research, Inc.  
1310 North Courthouse Road  
Suite 880  
Arlington, VA 22201

### **Project Director**

Courtenay Kessler

This study was conducted by Insight Policy Research, Inc., for the U.S. Department of Agriculture (USDA) Food and Nutrition Service under Contract 12319819A0005, Order Number 12319822F0037. The findings and conclusions in this report are those of the authors and should not be construed to represent any official USDA or U.S. Government determination or policy.

**Suggested citation:** Kessler, C., Bryant, A., Munkacsy, K., & Farson Gray, K. (2024). *National- and State-level estimates of WIC eligibility and WIC program reach in 2022*. U.S. Department of Agriculture Food and Nutrition Service.

## Acknowledgments

---

The authors gratefully acknowledge the guidance provided by numerous individuals at the Food and Nutrition Service (FNS) and other organizations. Grant Lovellette, the FNS Project Officer, provided leadership and guidance throughout the project. We also thank the FNS and Special Supplemental Nutrition Program for Women, Infants, and Children staff who provided insight and review throughout the project. Staff members of the Centers for Disease Control and Prevention supplied tabulations of national- and State-level breastfeeding rates from the National Immunization Survey.

Many Westat/Insight Policy Research colleagues made key contributions to this report. We thank Josh Rozen and Richard Griffiths, whose work developing the estimates was invaluable. We acknowledge the Westat publications team for editing and producing the report. We also thank technical expert panel members who have guided our work over the past 2 years: Gwynne Evans-Lomayeva, Carolyn Liebler, Will Waldron, and Qi (Harry) Zhang. We also thank Betsy Thorn for her careful review and comments on the report.

# Contents

---

Appendix A. Improvements to the WIC Eligibility Estimates: Calendar Year 2022.....	A-1
A. Measures of WIC Eligibility and Program Reach for Native American/Alaska Native Individuals .....	A-1
Table A.1. National Coverage Rates for AI/AN Individuals by Race and Ethnicity: CY 2022 (National Population) .....	A-4
B. Incorporating Wald Confidence Intervals.....	A-5
Table A.2. Revised and New Tables Proposed to Incorporate Confidence Intervals .....	A-5
Appendix B. Measures of Precision for the Estimates of Eligibility .....	B-1
A. Standard Errors and Coefficients of Variation for National-Level Estimates .....	B-2
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 2022.....	B-2
B. Standard Errors and Coefficients of Variation for Regional- and State-Level Estimates.....	B-3
Table B.2. Standard Errors and Coefficients of Variation for Estimated Number of Individuals Eligible for WIC by FNS Region and Participant Category: CY 2022.....	B-3
Table B.3. Standard Errors and Coefficients of Variation for Estimated Number of Individuals Eligible for WIC by State and FNS Region: CY 2022 .....	B-4
Table B.4. Coefficients of Variation of WIC Coverage Rates by State and Participant Category: CY 2022..	B-6
Table B.5. Coefficients of Variation of WIC Coverage Rates by State and by Race and Hispanic Ethnicity: CY 2022 .....	B-8
C. Confidence Intervals .....	B-9
Table B.6. WIC Coverage Rate With Confidence Intervals by Participant Characteristic: CY 2022 .....	B-10
Table B.7. WIC Coverage Rates With Confidence Intervals by Participant Category and by Race and Hispanic Ethnicity: CY 2022.....	B-11
Table B.8. WIC Participation Rates With Confidence Intervals by Race and Hispanic Ethnicity: CY 2022 .....	B-12
Table B.9. WIC Coverage Rates With Confidence Intervals by State and FNS Region and Participant Category: CY 2022.....	B-12
Table B.10. WIC Participation Rates With Confidence Intervals by State and FNS Region and Participant Category: CY 2022.....	B-15
D. Statistical Significance Testing for Report Tables and Figures.....	B-18
Appendix C. Detailed Tables for National-Level WIC Eligibility Estimates: CY 2022 .....	C-1
Table C.1. Steps, Data Sources, Methods, and Adjustment Factors Used for Estimates of WIC Eligibility: CY 2022 .....	C-5

Table C.2. Estimated Average Monthly Number of Individuals Eligible for WIC by Participant Category: CY 2022 .....	C-9
Table C.3a1. Vital Statistics Estimates and CPS ASEC Estimates for Infants and Children by Year of Age and Sex: March 2023 .....	C-10
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 2023 .....	C-11
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 2020–March 2023 .....	C-13
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 2023 .....	C-17
Table C.3b3. Effects of Applying Population Adjustment Factors to Population Counts for Pregnant Women in the 2022 CPS ASEC by Year of Age and Race and Hispanic Ethnicity: March 2023 .....	C-21
Table C.4. Breastfeeding Adjustment Factor Calculations for Postpartum Women Eligible for WIC: CY 2022 .....	C-26
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 2022 .....	C-27
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 2022.....	C-29
Table C.6a1 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Counts): CY 2022.....	C-31
Table C.6a2. Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Percentages): CY 2022 .....	C-33
Table C.6a2 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Percentages): CY 2022 .....	C-35
Table C.6b1. Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Counts): CY 2022.....	C-37
Table C.6b1 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Counts): CY 2022 .....	C-39
Table C.6b2. Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Percentages): CY 2022 .....	C-41

Table C.6b2 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Percentages): CY 2022 .....	C-43
Table C.7. Changes in the Total Population, Total WIC Eligibility, and WIC Eligibility Rates by Participant Category: CY 2021–CY 2022.....	C-45
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 2021–CY 2022.....	C-46
Table C.9. Standard Error and Coefficient of Variation for Estimates by Participant Category: CY 2022 .....	C-47
Appendix D. Detailed Tables for Regional- and State-Level WIC Estimates: CY 2022 .....	D-1
FNS Regions and the State Agencies Within Each Region in CY 2022.....	D-1
Table D.1. WIC Eligibility, Participants, and Coverage Rates by State and FNS Region: CY 2022.....	D-4
Table D.2. WIC Eligibility, Participants, and Coverage Rates by FNS Region and States in Each Region: CY 2022 .....	D-6
Table D.3. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2022 .....	D-8
Table D.4. Standard Errors and Coefficients of Variation for Estimated Number of Individuals Eligible for WIC by State and FNS Region: CY 2022 .....	D-9
Table D.5. WIC Eligibility Standard Errors by FNS Region and States in Each Region: CY 2022 .....	D-11
Table D.6. Standard Errors and Coefficients of Variation for Estimated Number of Individuals Eligible for WIC by FNS Region and Participant Category: CY 2022.....	D-13
Table D.7a. Adjustments for Calculating the Average Monthly Number of Individuals Eligible for WIC in Puerto Rico by Participant Category: CY 2022.....	D-14
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 2022 .....	D-16
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 2022.....	D-17
Table D.8 (continued). Regional Estimates of the Average Monthly Numbers of Infants and Children Eligible for WIC by Demographic and Income Characteristics (Fully Adjusted Weights, Percentages): CY 2022 .....	D-19
Table D.9a. WIC Coverage Rates for Total Eligible Individuals by State: CY 2016–CY 2022 .....	D-21
Table D.9b. WIC Coverage Rates for Infants by State: CY 2016–CY 2022.....	D-23
Table D.9c. WIC Coverage Rates for Children by State: CY 2016–CY 2022.....	D-25
Table D.9d. WIC Coverage Rates for Pregnant Women by State: CY 2016–CY 2022 .....	D-27
Table D.9e. WIC Coverage Rates for Postpartum Women by State: CY 2016–CY 2022 .....	D-29

Table D.10. WIC Coverage Rates by State and Participant Category With Coefficients of Variation: CY 2022 .....	D-31
Table D.11. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity With Coefficients of Variation: CY 2022 .....	D-33
Table D.12. State-Level WIC Coverage Rates for Children by Race and Hispanic Ethnicity: CY 2022 .....	D-35
Appendix E. FNS Regional- and State-Level Maps of WIC Coverage Rates: CY 2022 .....	E-1
Figure E.1. WIC Coverage Rate for Total Eligible Individuals by FNS Region: CY 2022 .....	E-3
Figure E.2. WIC Coverage Rate for Infants by FNS Region: CY 2022 .....	E-4
Figure E.3. WIC Coverage Rate for Children by FNS Region: CY 2022 .....	E-5
Figure E.4. WIC Coverage Rate for Pregnant Women by FNS Region: CY 2022 .....	E-6
Figure E.5. WIC Coverage Rate for Postpartum Women by FNS Region: CY 2022 .....	E-7
Figure E.6. WIC Coverage Rate for Total Eligible Individuals by State: CY 2022 .....	E-8
Figure E.7. WIC Coverage Rate for Infants by State: CY 2022 .....	E-9
Figure E.8. WIC Coverage Rate for Children by State: CY 2022 .....	E-10
Figure E.9. WIC Coverage Rate for Pregnant Women by State: CY 2022 .....	E-11
Figure E.10. WIC Coverage Rate for Postpartum Women by State: CY 2022 .....	E-12
Figure E.11. WIC Coverage Rate for Hispanic/Latino Individuals by State: CY 2022 .....	E-13
Figure E.12. WIC Coverage Rate for White-Only, Not Hispanic Individuals by State: CY 2022 .....	E-14
Figure E.13. WIC Coverage Rate for Other Than White-Only, Not Hispanic Individuals by State: CY 2022 .....	E-15
Appendix F. Data for Figures in Volumes I and II .....	F-1
Table F.1. Trends in WIC Eligibility by Participant Category: CY 2016–CY 2022 .....	F-2
Table F.2. Regional-Level WIC Eligibility by Participant Category: CY 2016–CY 2022 .....	F-3
Table F.3. WIC Coverage Rates by State and FNS Region and Participant Category: CY 2022 .....	F-5
Table F.4. WIC Coverage Rates by Participant Category: CY 2016–CY 2022 .....	F-8
Table F.5. WIC Coverage Rates by FNS Region and Participant Category: CY 2016–CY 2022 .....	F-9
Table F.6. WIC Eligibility, Participants, and Coverage Rates by Participant Category and by Race and Hispanic Ethnicity: CY 2022 .....	F-11
Table F.7. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity: CY 2022 .....	F-12
Table F.8. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2022 .....	F-14
Table F.9. WIC Coverage Rates by Participant Category and Race and Hispanic Ethnicity With Coefficients of Variation: CY 2022 .....	F-15

## Appendix A. Improvements to the WIC Eligibility Estimates: Calendar Year 2022

---

This appendix describes two improvements to the 2022 Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) eligibility estimates. The study team made the following improvements:

- ▶ Produced measures of WIC eligibility and program reach for American Indian/Alaska Native individuals and enhanced discussion of Tribal communities in the report. These improvements include national coverage rates for individuals who identify as American Indian or Alaska Native and the monthly average number of WIC participants in the Tribal Organizations.
- ▶ Added confidence intervals for coverage rates and other reach metrics in the report tables.

The approaches to these enhancements were developed through biweekly meetings with the Food and Nutrition Service (FNS), review of extant literature and materials published about Tribes and WIC, two technical expert panel meetings, and consultations with representatives from FNS Regional Offices and FNS Tribal Affairs. Two external experts participated in the expert panel meetings: Gwynne Evans-Lomayesva (Snow Clan, Hopi Tribal Nation; University of Pennsylvania) and Carolyn Liebler (University of Minnesota). FNS also consulted with the National Indigenous and Native American WIC Coalition (NINAWC).

### A. Measures of WIC Eligibility and Program Reach for Native American/Alaska Native Individuals

---

Adding measures of WIC eligibility and program reach for Tribal Organizations or Native American/Alaska Native individuals to the WIC eligibility estimates report would increase information about large numbers of individuals eligible for and served by WIC. However, including these metrics presents several challenges. The surveys used to produce the eligibility estimates (i.e., the Annual Social and Economic Supplement of the Current Population Survey [CPS ASEC; U.S. Census Bureau, n.d.-a] and the American Community Survey [ACS; IPUMS-USA, n.d.]) include only small numbers of individuals from WIC Tribal Organizations, raising concerns about whether these surveys provide accurate or adequate data for the Tribal Organizations. Based on these concerns, this report historically has not estimated eligibility or coverage rates for the WIC Tribal Organizations. The report also has not estimated eligibility or coverage rates for individuals who identify as American Indian/Alaska Native because of similar concerns about the number of individuals included in the source data and differences in how data sources define American Indian/Alaska Native race (see section A.2 of this appendix for more information).

Other data sources used to create adjustment factors (e.g., breastfeeding data from the Centers for Disease Control and Prevention, annual-to-monthly adjustment factor produced using the Survey for Income and Program Participation) also do not have enough respondents from the Tribal Organizations to provide data needed for the estimation procedures.<sup>1</sup> Even when coverage rates could be produced,

---

<sup>1</sup> The breastfeeding data also could not be produced for American Indian/Alaska Native individuals.

the study team anticipates most rates to have wide confidence intervals, perhaps ranging from 0 to 100 percent, because of sample size limitations.

Past WIC eligibility estimates reports describe Tribal Organizations as State agencies but do not provide Tribal Organization estimates as they do for geographic States, the District of Columbia, and Puerto Rico. Footnotes and table notes document the methodological challenges with producing Tribal Organization coverage rates. Coverage rates by State and FNS Region incorporate participants from Tribal Organizations into the State and FNS Region where the Tribal Organization is located. For the 2022 eligibility estimates report, the study team and FNS sought to enhance the discussion of Tribal Organizations in the report. Because of anticipated challenges in developing reach metrics for Tribal Organizations, the study team considered alternate reach metrics that might provide more detailed yet preliminary information about American Indian/Alaska Native individuals.

## 1. Approach

The development of a universal reach metric specific to the Tribal Organizations presents methodological challenges and may not be culturally relevant or sensitive. Each Tribal Organization represents a sovereign nation (or a consortium of sovereign nations) with unique WIC eligibility criteria and definitions of its service area. The traditional approach to the eligibility estimation procedures relies on geographic boundaries (i.e., State boundaries). Boundaries of the Tribal Organizations are sometimes historically disputed and contribute to complexities related to whether, for example, the Tribal Organization represents multiple Tribes (e.g., Inter-Tribal Council of Nevada) or how the Tribal Organization defines its geographic reach. Some Tribal Organizations serve enrolled Tribal members across a geographic State, while others are more geographically limited but also serve non-Tribal members.

The study team consulted with several experts to develop an approach to producing a reach metric for Tribal Organizations or the American Indian/Alaska Native population. Consultants included Ms. Evans-Lomayesva and Dr. Liebler as technical experts, WIC Regional Office representatives, FNS Tribal Affairs, and NINAWC. Based on these consultations, the project timeline, and available data, the study team incorporated three additions into the 2022 report:

1. National WIC coverage rates for individuals who identify as American Indian/Alaska Native according to the estimation procedures already used for the eligibility estimates (i.e., CPS ASEC and 1-year ACS estimates)
2. WIC participation by participant category for each Tribal Organization (see table 3.13)
3. Preliminary recommendations for components of a study plan to develop tailored Tribal Organization coverage rates.

While the inclusion of coverage rates for American Indian/Alaska Native individuals does not address the interest in coverage rates specific to Tribal Organizations, this approach serves as a first step for providing more explicit information about Native Americans within the timeline for producing the report. This analysis acknowledges Tribal Organizations often serve individuals who identify as a race other than American Indian/Alaska Native, and many individuals who are American Indian/Alaska Native are also served by WIC State agencies other than Tribal Organizations.

## 2. Methods and Preliminary Findings

### American Indian/Alaska Native coverage rates

The coverage rates require estimation of both the numerator (WIC participants) and the denominator (population eligible for WIC). The denominator was estimated using the existing eligibility estimation procedures. The primary data source was the CPS ASEC. The same adjustment factors and weights were applied as those used for the main estimates.<sup>2</sup> The CPS ASEC race and ethnicity data enabled the identification of individuals who identify as American Indian/Alaska Native within four categories: American Indian/Alaska Native only, Hispanic; American Indian/Alaska Native only, non-Hispanic; American Indian/Alaska Native and one or more other race, Hispanic; and American Indian/Alaska Native and one or more other race, non-Hispanic. This categorization was added at the recommendation of the technical expert panel, which suggested these categories were becoming more common ways of characterizing the population who identify as American Indian/Alaska Native and broadly represent some of the variation in American Indian/Alaska Native groups in the United States. This categorization could also help Tribal Organizations and other State agencies make better use of the data as they think about the populations they serve.

For the numerator, the study team again used the same approach as the main eligibility estimates. FNS administrative data provided the counts of participants. Because the administrative data do not include breakouts by race or ethnicity, the study team used participant data collected for the *WIC Participant and Program Characteristics 2022* (WIC PC) report (Zvavitch et al., 2024). The WIC PC report has previously documented a data quality issue related to the identification of the American Indian/Alaska Native race. Some State agencies have a higher-than-expected proportion of individuals who identify as both Hispanic and American Indian/Alaska Native. The study team compared the proportion of individuals who identify as both Hispanic and American Indian/Alaska Native in the WIC PC data with the proportion of the total population of women, infants, and children with incomes under 185 percent of the Federal Poverty Guidelines (a rough metric of WIC eligibility) with this racial and ethnic identity in the ACS.<sup>3</sup> This comparison demonstrated that, while some States showed similar proportions (0.1 percentage point difference), others showed up to an 18 percentage point difference.

It is unclear whether the difference in these distributions is the result of errors in how State agencies report race and ethnicity for WIC participants or whether the issue relates to how American Indian/Alaska Native is defined. The Office of Management and Budget defines someone in this category as “a person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment” (OMB, 1997). This language could be interpreted in various ways and may not align with how individuals identify their race and ethnicity. WIC requires staff to identify race if the individual does not provide their race (FNS, 2004). Regardless of the cause, a clear discrepancy remains in how the two data sources measure the American Indian/Alaska Native race.

This discrepancy influences the coverage rates, leading to an implausibly high coverage rate for American Indian/Alaska Native only, Hispanic individuals (i.e., the number of WIC participants in this race and ethnicity category was much higher than the corresponding estimated number of individuals

---

<sup>2</sup> Hispanic/Latino adjustment factors were used for estimates for Hispanic, American Indian/Alaska Native individuals; adjustments for the non-Hispanic, two or more or other race adjustment factors were used for the non-Hispanic, American Indian/Alaska Native individuals.

<sup>3</sup> While the national WIC eligibility estimates use data from the CPS ASEC, the study team used the ACS for this analysis because of better State-level coverage.

eligible for WIC). Table A.1 displays the 2022 WIC coverage rates for American Indian/Alaska Native using the four race and ethnicity categorizations but suppresses the coverage rate for individuals who identified as Hispanic and American Indian/Alaska Native only. Table 3.1 in volume I provides a coverage rate for the combined group of non-Hispanic individuals who identify as either American Indian/Alaska Native only or American Indian/Alaska Native and one or more other races.

**Table A.1. National Coverage Rates for AI/AN Individuals by Race and Ethnicity: CY 2022 (National Population)**

AI/AN Race and Ethnicity	Number Eligible	Number Participating	Coverage Rate	Lower Bound	Upper Bound
AI/AN only, non-Hispanic	97,787	67,716	69.2	21.9	116.6
AI/AN only, Hispanic	†	†	†	†	†
AI/AN and at least one other race, non-Hispanic	97,456	47,675	48.9	26.6	71.2
AI/AN and at least one other race, Hispanic	77,217	69,559	90.1	44.2	136.0

Note: Upper and lower bound columns represent the Wald 95 percent confidence interval.

AI/AN = American Indian/Alaska Native; CY = calendar year

† Indicates an unreliable coverage rate (or elements of an unreliable coverage rate) over 100 percent

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

### **Tribal Organization WIC participants**

While Tribal Organization reach metrics could not be produced for this report, table 3.13 displays the total number of participants for each WIC Tribal Organization in an average month during 2022 as another step toward increasing information shared about the Tribal Organizations in this report. Monthly WIC participation data are available from the FNS website.<sup>4</sup> Average monthly WIC participation was calculated for four groups: infants; children; women (including pregnant, postpartum non-breastfeeding, and postpartum breastfeeding women); and total participants.

### **Recommendations for future research: Tailored Tribal Organization coverage rates**

Two overarching themes emerged during preliminary work to develop Tribal Organization reach metrics: (1) Tribal Organizations vary in many aspects that affect the estimation of any WIC reach metric (e.g., residency or Tribal membership requirements, defined reach, memoranda of understanding between WIC State agencies establishing participation limits), and (2) the perspectives of all Tribal Organizations should be incorporated in any effort to provide a metric of Tribal Organization WIC reach. Efforts to produce Tribal Organization coverage rates or other reach metrics should be tailored to individual Tribal Organizations and developed with significant input from the Tribal Organizations.

Work to develop Tribal Organization reach metrics should be guided by a technical expert panel and multiple listening sessions with Tribal Organizations. The listening sessions would be critical in answering questions about available data, Tribal Organization interest in coverage rates or other reach metrics, and differences in the Tribal Organizations that would affect how reach metrics would be calculated.

<sup>4</sup> FNS provides monthly data on State-level participation by category and program cost by fiscal year (FY). Calendar year 2022 spans FYs 2022 and 2023. The study team used both reports, accessed through FNS. (2023). *WIC data tables*. U.S. Department of Agriculture. <https://www.fns.usda.gov/pd/wic-program>. Data in the FY 2023 report are considered preliminary.

## B. Incorporating Wald Confidence Intervals

The 2022 eligibility estimates report incorporates Wald confidence intervals for select revised tables, new tables, and a new figure. Historically, the WIC eligibility estimates reports have included various measures of precision to clarify the statistical reliability of the estimates presented throughout the report but have not included confidence interval bounds for the estimates.

Through the 2019 WIC eligibility estimates report, the study team presented margins of error based on Wald 95 percent confidence intervals in tables throughout volume II of the report. For the CY 2021 report, the study team displayed coefficients of variation to more concisely help users interpret the stability of the estimates.

While coefficients of variation offer a concise indication of precision, presenting confidence intervals with estimates may offer readers a more intuitive measure of precision than presenting coefficients of variation. Wald 95 percent confidence intervals were added to five revised tables in volume I of the report, five new tables in appendix B of volume II, and one new figure in chapter 3 of volume I (figure 3.5). Table A.2 provides the full list of updated tables.

**Table A.2. Revised and New Tables Proposed to Incorporate Confidence Intervals**

Type	Table Title
Revised	Table 3.5. WIC Eligibility, Participants, and Coverage Rates by State and FNS Region: CY 2022
	Table 3.7. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity: CY 2022
	Table 4.2. WIC Participation Rates by State and FNS Region: CY 2022
	Table 4.4. State-Level WIC Participation Rates by Race and Hispanic Ethnicity: CY 2022
	Table 5.1. WIC Nonparticipation Among WIC-Eligible Medicaid and SNAP Participants: CY 2022
New	Table B.6. WIC Coverage Rate With Confidence Intervals by Participant Characteristic: CY 2022
	Table B.7. WIC Eligibility, Participants, and Coverage Rates With Confidence Intervals by Participant Category and by Race and Hispanic Ethnicity: CY 2022
	Table B.8. WIC Participation Rates With Confidence Intervals by Race and Hispanic Ethnicity: CY 2022
	Table B.9. WIC Coverage Rates With Confidence Intervals by State and FNS Region and Participant Category: CY 2022
	Table B.10. WIC Participation Rates With Confidence Intervals by State and FNS Region and Participant Category: CY 2022

CY = calendar year; FNS = Food and Nutrition Service; SNAP = Supplemental Nutrition Assistance Program

## Appendix B. Measures of Precision for the Estimates of Eligibility

---

Coverage and participation rate estimates for WIC were calculated, in part, using data from several large-scale, complex, nationally representative surveys, including the Annual Social and Economic Supplement of the Current Population Survey (CPS ASEC; U.S. Census Bureau, n.d.-a), the American Community Survey (ACS; Integrated Public Use Microdata Series-USA [IPUMS-USA], n.d.), and the Puerto Rico Community Survey (PRCS; IPUMS-USA, n.d.). 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 2022 national-, regional-, and State-level estimates of eligibility for WIC.<sup>5</sup>

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.

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 stabilize estimates for subgroups, 2 years of ACS data are pooled to reduce sample size concerns and improve the precision of the estimates. This approach reduces the number of coverage rates over 100 percent. Remaining subgroups remain with coverage rate estimates over 100 are suppressed from the report.

Some tables in this report include one of two measures of precision to assist with interpreting results. Some tables include coefficients of variation as a concise measure of precision; others include 95 percent Wald 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, and 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-

---

<sup>5</sup> Estimates of WIC eligibility for U.S. territories other than Puerto Rico are based on population data from the International Database, not on samples. These estimates are not subject to sampling variability.

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, 2023d).

The coefficients of variation for the 2022 national eligibility estimates were higher for infants (3.7 percent) and postpartum women (3.7 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 2022**

Participant Category		Hispanic/ Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	Total
Number eligible	Infants	709,799	370,993	568,430	176,216	1,825,438
	Children	2,705,577	1,682,783	2,418,184	698,768	7,505,312
	Pregnant women	394,951	221,609	413,509	91,468	1,121,537
	Postpartum women	517,761	258,037	408,376	126,111	1,310,285
	<b>Total</b>	<b>4,328,088</b>	<b>2,533,422</b>	<b>3,808,499</b>	<b>1,092,563</b>	<b>11,762,572</b>
Standard error	Infants	39,048	36,540	40,643	24,529	67,589
	Children	54,582	62,498	73,678	41,438	109,715
	Pregnant women	6,124	4,801	7,977	3,316	12,441
	Postpartum women	28,522	25,415	29,199	17,554	48,416
	<b>Total</b>	<b>91,211</b>	<b>68,224</b>	<b>116,842</b>	<b>62,552</b>	<b>165,003</b>
Coefficient of variation (percent)	Infants	5.5	9.8	7.2	13.9	3.7
	Children	2.0	3.7	3.0	5.9	1.5
	Pregnant women	1.6	2.2	1.9	3.6	1.1
	Postpartum women	5.5	9.8	7.2	13.9	3.7
	<b>Total</b>	<b>2.1</b>	<b>2.7</b>	<b>3.1</b>	<b>5.7</b>	<b>1.4</b>

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.

<sup>a</sup> 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.

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 2022 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 2022**

FNS Region		Infants	Children	Pregnant Women	Postpartum Women	Total
Number eligible	Northeast	164,877	668,720	101,365	122,832	1,057,794
	Mid-Atlantic	205,520	867,162	128,389	150,873	1,351,944
	Southeast	418,253	1,692,988	260,723	290,704	2,662,668
	Midwest	267,008	1,160,676	170,955	186,266	1,784,904
	Southwest	370,226	1,483,533	220,491	259,369	2,333,619
	Mountain Plains	94,274	397,016	59,957	68,713	619,960
	Western	305,280	1,235,216	179,657	231,529	1,951,683
	<b>Total</b>	<b>1,825,438</b>	<b>7,505,312</b>	<b>1,121,537</b>	<b>1,310,285</b>	<b>11,762,572</b>
Standard error	Northeast	7,298	11,389	2,649	5,420	18,094
	Mid-Atlantic	8,849	14,679	3,141	6,468	21,894
	Southeast	16,465	25,908	4,500	11,435	39,463
	Midwest	10,869	18,718	3,395	7,576	27,563
	Southwest	15,030	23,435	4,427	10,520	35,469
	Mountain Plains	4,519	7,401	1,899	3,295	11,768
	Western	12,335	19,612	3,556	9,307	30,416
	<b>Total</b>	<b>67,589</b>	<b>109,715</b>	<b>12,441</b>	<b>48,416</b>	<b>165,003</b>
Coefficient of variation (percent)	Northeast	4.4	1.7	2.6	4.4	1.7
	Mid-Atlantic	4.3	1.7	2.4	4.3	1.6
	Southeast	3.9	1.5	1.7	3.9	1.5
	Midwest	4.1	1.6	2.0	4.1	1.5
	Southwest	4.1	1.6	2.0	4.1	1.5
	Mountain Plains	4.8	1.9	3.2	4.8	1.9
	Western	4.0	1.6	2.0	4.0	1.6
	<b>Total</b>	<b>3.7</b>	<b>1.5</b>	<b>1.1</b>	<b>3.7</b>	<b>1.4</b>

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

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 9.2 percent in North Dakota. Estimates with higher 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, Midwest, and Southwest 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 2022**

	State/FNS Region	Number Eligible	Standard Error	Coefficient of Variation (Percent)
State	Alabama	218,880	5,560	2.5
	Alaska	25,519	1,664	6.5
	Arizona	260,408	6,333	2.4
	Arkansas	142,499	4,140	2.9
	California	1,352,155	22,024	1.6
	Colorado	169,952	4,818	2.8
	Connecticut	100,093	2,808	2.8
	Delaware	31,893	1,862	5.8
	District of Columbia	23,290	1,558	6.7
	Florida	787,925	14,137	1.8
	Georgia	453,902	9,195	2.0
	Hawaii	43,167	2,045	4.7
	Idaho	64,878	2,650	4.1
	Illinois	400,911	8,693	2.2
	Indiana	248,300	5,501	2.2
	Iowa	103,440	3,751	3.6
	Kansas	95,463	3,219	3.4
	Kentucky	176,512	4,271	2.4
	Louisiana	229,856	5,531	2.4
	Maine	29,613	1,733	5.9
	Maryland	205,876	5,409	2.6
	Massachusetts	180,486	4,935	2.7
	Michigan	328,082	6,531	2.0
	Minnesota	154,351	5,666	3.7
	Mississippi	145,142	4,173	2.9
	Missouri	207,520	5,126	2.5
	Montana	29,332	1,947	6.6
	Nebraska	56,718	2,867	5.1
	Nevada	110,673	3,647	3.3
	New Hampshire	27,573	1,992	7.2
	New Jersey	284,356	7,040	2.5
	New Mexico	90,436	3,004	3.3
	New York	674,655	12,684	1.9
	North Carolina	407,418	8,110	2.0
	North Dakota	18,970	1,752	9.2
	Ohio	393,069	7,741	2.0
	Oklahoma	175,034	4,714	2.7
	Oregon	123,031	3,732	3.0
	Pennsylvania	391,278	8,827	2.3

	State/FNS Region	Number Eligible	Standard Error	Coefficient of Variation (Percent)
State (continued)	Puerto Rico	108,783	2,720	2.5
	Rhode Island	29,976	1,723	5.7
	South Carolina	206,465	5,033	2.4
	South Dakota	26,354	1,820	6.9
	Tennessee	266,425	5,753	2.2
	Texas	1,341,056	21,688	1.6
	Utah	94,331	3,732	4.0
	Vermont	15,397	1,339	8.7
	Virginia	244,538	5,882	2.4
	Washington	232,260	4,958	2.1
	West Virginia	61,929	2,399	3.9
	Wisconsin	156,751	4,924	3.1
	Wyoming	15,651	1,142	7.3
	FNS Region	Northeast	1,057,794	18,094
Mid-Atlantic		1,351,944	21,894	1.6
Southeast		2,662,668	39,463	1.5
Midwest		1,784,904	27,563	1.5
Southwest		2,333,619	35,469	1.5
Mountain Plains		619,960	11,768	1.9
Western		1,951,683	30,416	1.6
<b>Total</b>		<b>11,762,572</b>	<b>165,003</b>	<b>1.4</b>

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. State and regional eligibility estimates include individuals in 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

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 4.1 percent in California to 21.9 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 3.6 percent in New York to 31.1 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 of WIC Coverage Rates by State and Participant Category: CY 2022**

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	6.9	2.3	5.7	5.3	6.1	5.2	5.8	6.9	2.5
Alaska	15.6	6.1	14.3	11.7	11.9	12.4	15.6	15.6	6.5
Arizona	6.2	2.3	5.2	4.5	5.0	4.8	5.1	6.2	2.4
Arkansas	7.3	2.8	7.8	6.3	6.3	6.4	6.5	7.3	2.9
California	4.1	1.6	3.8	3.3	3.5	3.5	2.1	4.1	1.6
Colorado	7.0	2.7	6.2	5.9	6.1	6.1	6.1	7.0	2.8
Connecticut	8.3	3.2	9.4	7.5	8.8	7.5	7.5	8.3	2.8
Delaware	18.2	6.1	16.4	14.5	13.1	12.9	18.2	18.2	5.8
District of Columbia	17.1	7.7	26.7	24.4	16.4	21.6	16.7	17.0	6.7
Florida	4.6	1.8	4.4	3.6	4.0	4.0	3.0	4.6	1.8
Georgia	5.3	2.0	5.1	4.2	4.9	5.1	3.9	5.2	2.0
Hawaii	12.1	5.4	12.0	10.3	10.4	10.2	11.9	12.1	4.7
Idaho	9.7	3.6	8.7	8.5	8.7	8.9	9.1	9.7	4.1
Illinois	5.6	2.2	5.0	4.8	4.6	4.4	4.2	5.6	2.2
Indiana	5.7	2.5	5.8	5.2	5.3	5.3	4.3	5.7	2.2
Iowa	8.6	3.4	8.5	6.9	7.3	6.6	7.6	8.6	3.6
Kansas	8.2	3.4	7.8	7.7	7.1	8.8	7.4	8.2	3.4
Kentucky	6.4	2.7	6.7	5.4	5.5	5.6	5.1	6.4	2.4
Louisiana	6.5	2.5	6.5	5.6	5.7	5.6	5.5	6.5	2.4
Maine	12.1	6.0	12.0	15.4	11.0	10.2	11.3	12.0	5.9
Maryland	6.5	2.8	6.7	6.8	6.3	6.0	5.4	6.5	2.6
Massachusetts	6.8	2.7	6.8	6.1	6.4	6.4	5.8	6.8	2.7
Michigan	5.6	2.1	5.1	4.9	5.1	4.6	4.4	5.6	2.0
Minnesota	8.1	3.9	8.4	8.5	6.8	7.5	7.0	8.1	3.7
Mississippi	7.0	2.7	7.5	6.2	7.2	6.4	6.1	7.0	2.9
Missouri	6.4	2.5	5.4	5.6	6.0	5.8	5.1	6.3	2.5
Montana	14.4	5.3	12.0	10.1	10.4	12.7	14.1	14.4	6.6
Nebraska	12.3	5.1	11.7	11.1	11.2	9.3	11.2	12.3	5.1
Nevada	8.6	3.6	7.1	6.4	8.1	7.7	7.8	8.5	3.3

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 Hampshire	15.7	6.6	13.0	12.5	12.5	13.6	14.9	15.7	7.2
New Jersey	6.6	2.4	5.7	5.3	5.2	5.0	5.4	6.6	2.5
New Mexico	8.5	3.8	9.2	8.0	8.3	9.5	7.7	8.5	3.3
New York	5.0	1.9	4.9	3.7	4.2	3.8	3.5	5.0	1.9
North Carolina	5.1	2.1	5.5	4.3	4.7	4.4	3.7	5.1	2.0
North Dakota	19.5	8.6	18.8	15.6	15.1	18.1	18.6	19.5	9.2
Ohio	5.3	2.0	4.9	4.1	4.7	4.5	3.8	5.3	2.0
Oklahoma	6.9	2.6	7.0	6.5	6.0	5.9	6.0	6.9	2.7
Oregon	7.4	2.9	7.3	5.6	7.5	7.2	6.5	7.4	3.0
Pennsylvania	6.3	2.1	5.4	4.6	4.6	4.9	5.1	6.3	2.3
Puerto Rico	7.0	2.1	6.4	6.4	6.2	5.8	7.0	7.0	2.5
Rhode Island	15.5	6.2	15.0	15.8	14.7	12.1	14.7	15.6	5.7
South Carolina	5.9	2.3	6.1	4.8	5.0	5.6	4.6	5.9	2.4
South Dakota	12.6	7.0	14.1	14.9	14.0	13.1	12.3	12.6	6.9
Tennessee	5.7	2.3	5.6	4.8	4.9	5.2	4.3	5.6	2.2
Texas	4.3	1.7	3.8	3.3	3.6	3.5	2.4	4.3	1.6
Utah	8.3	4.0	7.7	8.4	6.3	7.6	7.3	8.3	4.0
Vermont	21.9	8.6	17.4	18.6	15.8	22.5	22.1	22.0	8.7
Virginia	6.4	2.4	5.7	5.0	5.6	4.5	5.3	6.4	2.4
Washington	5.9	2.4	5.9	4.7	5.1	5.0	4.7	5.9	2.1
West Virginia	9.0	3.8	9.4	7.4	8.7	9.1	8.5	9.0	3.9
Wisconsin	8.1	3.0	7.4	6.4	7.3	5.9	7.1	8.0	3.1
Wyoming	15.5	7.0	15.8	12.8	16.4	17.1	15.0	15.5	7.3
<b>Total</b>	<b>3.7</b>	<b>1.5</b>	<b>3.3</b>	<b>2.7</b>	<b>3.0</b>	<b>3.0</b>	<b>1.1</b>	<b>3.7</b>	<b>1.4</b>

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

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

**Table B.5. Coefficients of Variation of WIC Coverage Rates by State and by Race and Hispanic Ethnicity: CY 2022**

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White-Only, Not Hispanic <sup>a</sup>	Total
Alabama	8.1	4.3	3.9	2.5
Alaska	32.0	11.1	9.1	6.5
Arizona	3.1	4.7	5.4	2.4
Arkansas	5.8	4.7	5.7	2.9
California	2.3	4.1	3.2	1.6
Colorado	4.1	5.3	5.8	2.8
Connecticut	4.2	7.2	6.9	2.8
Delaware	11.3	13.1	8.7	5.8
District of Columbia	20.6	31.1	7.3	6.7
Florida	2.6	4.0	3.2	1.8
Georgia	4.1	4.1	3.3	2.0
Hawaii	10.4	14.4	5.8	4.7
Idaho	7.4	5.3	14.3	4.1
Illinois	3.2	4.4	4.0	2.2
Indiana	5.6	3.9	4.0	2.2
Iowa	8.5	4.8	9.1	3.6
Kansas	7.3	5.5	7.3	3.4
Kentucky	10.3	3.8	5.4	2.4
Louisiana	6.6	4.8	3.6	2.4
Maine	31.3	6.7	17.2	5.9
Maryland	5.1	5.8	4.0	2.6
Massachusetts	3.8	5.3	5.2	2.7
Michigan	5.4	3.7	3.7	2.0
Minnesota	8.5	5.6	6.5	3.7
Mississippi	10.8	5.2	4.0	2.9
Missouri	7.2	4.0	5.0	2.5
Montana	19.4	8.7	10.0	6.6
Nebraska	10.0	6.4	8.4	5.1
Nevada	4.3	9.0	6.0	3.3
New Hampshire	14.7	7.9	28.0	7.2
New Jersey	3.8	4.9	4.4	2.5
New Mexico	4.1	9.2	7.0	3.3
New York	3.2	3.6	3.5	1.9
North Carolina	3.4	4.0	3.6	2.0
North Dakota	24.1	11.9	15.3	9.2
Ohio	5.8	3.6	3.5	2.0
Oklahoma	4.2	4.6	4.8	2.7
Oregon	4.6	4.5	8.9	3.0
Pennsylvania	4.3	3.8	4.2	2.3

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White-Only, Not Hispanic <sup>a</sup>	Total
Rhode Island	7.4	13.0	15.3	5.7
South Carolina	6.3	4.5	4.2	2.4
South Dakota	14.7	10.6	10.2	6.9
Tennessee	5.3	3.8	4.2	2.2
Texas	2.3	3.8	3.5	1.6
Utah	7.4	5.8	11.2	4.0
Vermont	61.0	10.0	†	8.7
Virginia	5.3	4.7	3.8	2.4
Washington	3.5	4.2	5.0	2.1
West Virginia	19.5	5.1	9.8	3.9
Wisconsin	8.5	4.9	5.9	3.1
Wyoming	22.0	9.5	22.0	7.3
<b>Total</b>	<b>2.1</b>	<b>3.1</b>	<b>2.6</b>	<b>1.4</b>

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

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

Sources: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2023

## C. Confidence Intervals

Tables B.6 and B.7 present national coverage rates with Wald 95 percent confidence 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 by Participant Characteristic: CY 2022**

Characteristic		Coverage Rate	Lower Bound	Upper Bound
<b>Total</b>		<b>53.5</b>	<b>52.0</b>	<b>55.0</b>
Participant category	Infants	78.5	72.8	84.2
	Children	45.9	44.6	47.3
	1-year-old children	64.7	60.5	68.8
	2-year-old children	49.8	47.2	52.4
	3-year-old children	44.4	41.8	47.1
	4-year-old children	25.3	23.9	26.8
	Pregnant women	45.6	44.6	46.6
	Postpartum women	69.0	64.0	74.0
	Breastfeeding women	66.3	61.5	71.1
Non-breastfeeding women	73.4	68.0	78.8	
Race and Hispanic ethnicity <sup>a</sup>	Hispanic/Latino	63.0	60.4	65.7
	Black-only, not Hispanic	49.1	46.5	51.7
	White-only, not Hispanic	45.9	43.2	48.7
	Two or more races or other race, not Hispanic <sup>b</sup>	52.6	46.7	58.5
	American Indian/Alaska Native, not Hispanic <sup>c</sup>	59.1	37.2	81.0
Urbanicity	Metropolitan	60.7	58.5	62.8
	Nonmetropolitan	19.5	17.0	22.1

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 Program and Participant Characteristics

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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, 2023; 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 by Participant Category and by Race and Hispanic Ethnicity: CY 2022**

Participant Category	Hispanic/Latino			Black-Only, Not Hispanic			White-Only, Not Hispanic			Two or More Races or Other Race, Not Hispanic <sup>a</sup>			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	84.4	75.2	93.6	84.3	67.5	101.1	68.1	58.5	77.8	75.4	54.7	96.1	78.5	72.8	84.2
Children	56.3	54.0	58.5	38.4	35.6	41.3	38.8	36.5	41.1	48.7	43.0	54.4	45.9	44.6	47.3
Pregnant women	55.4	53.7	57.1	43.6	41.8	45.5	39.0	37.5	40.4	38.5	35.8	41.3	45.6	44.6	46.6
Postpartum women	74.8	66.6	82.9	72.9	58.4	87.4	64.1	55.1	73.2	52.7	38.3	67.2	69.0	64.0	74.0
Breastfeeding women	76.0	67.7	84.3	66.4	53.2	79.6	57.0	49.0	65.1	53.7	39.0	68.5	66.3	61.5	71.1
Non-breastfeeding women	72.5	64.6	80.3	82.0	65.7	98.3	75.6	64.9	86.2	51.1	37.1	65.0	73.4	68.0	78.8
<b>Total</b>	<b>63.0</b>	<b>60.4</b>	<b>65.7</b>	<b>49.1</b>	<b>46.5</b>	<b>51.7</b>	<b>45.9</b>	<b>43.2</b>	<b>48.7</b>	<b>52.6</b>	<b>46.7</b>	<b>58.5</b>	<b>53.5</b>	<b>52.0</b>	<b>55.0</b>

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

<sup>a</sup> 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, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

**Table B.8. WIC Participation Rates With Confidence Intervals by Race and Hispanic Ethnicity: CY 2022**

Race and Hispanic Ethnicity	Participation Rate	Lower Bound	Upper Bound
Hispanic/Latino	39.8	39.5	40.1
Black-only, not Hispanic	34.1	33.1	35.2
White-only, not Hispanic	14.9	14.7	15.0
Two or more races or other race, not Hispanic <sup>a</sup>	19.4	18.7	20.1

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. 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; PRCS = Puerto Rico Community Survey

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

Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

**Table B.9. WIC Coverage Rates With Confidence Intervals by State and FNS Region and Participant Category: CY 2022**

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	83.2	71.9	94.5	40.4	38.7	42.2	50.7	45.0	56.5	56.2	48.5	63.8	49.9	47.4	52.3
	Alaska	73.7	51.1	96.2	48.1	42.4	53.8	44.2	30.7	57.8	60.9	42.2	79.5	53.2	46.4	60.0
	Arizona	77.3	67.9	86.6	49.6	47.4	51.8	40.2	36.2	44.2	64.0	56.3	71.7	54.8	52.2	57.4
	Arkansas	74.9	64.1	85.6	29.1	27.5	30.7	41.3	36.1	46.5	55.3	47.4	63.3	40.4	38.1	42.7
	California	83.3	76.6	90.1	66.6	64.4	68.7	59.7	57.2	62.2	75.6	69.5	81.7	69.7	67.4	71.9
	Colorado	66.4	57.3	75.6	40.5	38.3	42.7	38.4	33.8	43.0	60.4	52.1	68.8	46.6	44.0	49.2
	Connecticut	72.2	60.4	84.0	40.7	38.2	43.2	45.4	38.7	52.1	51.0	42.7	59.3	47.2	44.6	49.8
	Delaware	91.8	59.0	124.5	47.6	42.0	53.3	48.1	31.0	65.3	70.5	45.3	95.7	56.5	50.0	63.0
	District of Columbia	66.5	44.3	88.7	39.9	33.9	45.8	33.1	22.3	43.9	62.5	41.6	83.3	46.7	40.6	52.8
	Florida	79.2	72.1	86.3	43.7	42.2	45.3	45.9	43.2	48.5	72.7	66.2	79.3	52.6	50.8	54.5
	Georgia	66.9	60.0	73.8	33.0	31.7	34.3	35.8	33.1	38.5	52.4	47.0	57.8	40.6	39.0	42.2
	Hawaii	76.6	58.5	94.7	56.8	50.8	62.8	51.6	39.5	63.7	66.6	50.8	82.3	60.8	55.1	66.4
	Idaho	69.2	56.0	82.3	39.0	36.2	41.7	33.7	27.7	39.7	62.0	50.2	73.9	45.2	41.6	48.8
Illinois	72.0	64.1	79.9	30.1	28.8	31.4	37.6	34.5	40.7	52.9	47.1	58.7	39.4	37.7	41.1	

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 (continued)	Indiana	88.4	78.5	98.3	52.3	49.7	54.9	42.9	39.2	46.5	79.3	70.4	88.2	59.8	57.2	62.4
	Iowa	81.0	67.3	94.6	47.2	44.0	50.3	41.5	35.3	47.6	75.6	62.9	88.3	54.7	50.9	58.6
	Kansas	69.6	58.5	80.8	40.0	37.3	42.7	41.3	35.3	47.3	56.0	47.0	65.0	46.4	43.3	49.4
	Kentucky	95.3	83.3	107.4	55.4	52.5	58.3	51.4	46.2	56.5	69.5	60.8	78.3	62.6	59.6	65.6
	Louisiana	70.8	61.7	79.8	24.0	22.8	25.1	34.9	31.2	38.7	62.9	54.9	71.0	36.8	35.1	38.5
	Maine	89.9	68.6	111.1	50.9	44.9	56.9	44.8	34.9	54.7	69.9	53.5	86.4	57.6	51.0	64.3
	Maryland	85.9	74.9	96.9	49.5	46.8	52.1	55.2	49.4	61.0	72.0	62.8	81.2	58.3	55.3	61.3
	Massachusetts	75.8	65.7	85.9	64.9	61.4	68.3	47.5	42.1	52.9	66.7	57.8	75.5	65.1	61.6	68.6
	Michigan	90.8	80.8	100.9	54.9	52.6	57.2	53.7	49.1	58.3	68.1	60.6	75.6	61.5	59.1	63.9
	Minnesota	94.9	79.8	110.0	58.0	53.6	62.4	55.8	48.1	63.4	82.6	69.6	95.7	65.7	60.9	70.4
	Mississippi	76.7	66.2	87.3	37.8	35.8	39.9	31.6	27.8	35.4	57.2	49.3	65.0	45.7	43.1	48.3
	Missouri	75.3	65.9	84.7	30.0	28.5	31.5	40.4	36.3	44.4	59.3	52.0	66.7	40.8	38.9	42.8
	Montana	70.7	50.8	90.6	42.1	37.7	46.5	38.8	28.0	49.5	53.9	38.7	69.1	47.2	41.0	53.3
	Nebraska	86.3	65.5	107.0	57.3	51.6	63.1	45.4	35.5	55.4	77.9	59.1	96.7	62.9	56.6	69.1
	Nevada	73.1	60.9	85.4	39.5	36.7	42.3	35.7	30.2	41.1	65.9	54.9	76.9	47.0	44.0	50.0
	New Hampshire	62.4	43.2	81.5	47.6	41.4	53.7	33.2	23.5	42.9	54.3	37.7	71.0	49.0	42.1	56.0
	New Jersey	74.4	64.8	84.0	46.4	44.2	48.6	40.8	36.4	45.1	70.0	61.0	79.0	52.8	50.2	55.3
	New Mexico	62.6	52.1	73.0	30.9	28.6	33.2	38.5	32.7	44.3	53.7	44.7	62.7	39.1	36.6	41.7
	New York	81.8	73.7	89.9	52.4	50.4	54.3	44.2	41.2	47.2	73.1	65.9	80.2	58.5	56.4	60.7
	North Carolina	88.5	79.6	97.5	57.4	55.0	59.8	54.4	50.5	58.4	74.1	66.7	81.6	64.0	61.5	66.5
North Dakota	71.7	44.3	99.1	50.5	42.0	58.9	35.6	22.6	48.6	63.2	39.1	87.3	53.8	44.0	63.5	
Ohio	68.4	61.3	75.4	32.7	31.4	34.0	31.1	28.8	33.4	64.0	57.5	70.6	41.3	39.7	42.9	
Oklahoma	83.1	71.9	94.3	42.0	39.9	44.1	55.7	49.1	62.3	62.2	53.8	70.6	51.8	49.0	54.5	
Oregon	73.9	63.2	84.6	58.4	55.2	61.7	43.4	37.9	48.9	69.3	59.3	79.4	60.6	57.0	64.3	
Pennsylvania	63.2	55.4	71.0	34.2	32.8	35.7	31.3	28.2	34.4	57.2	50.1	64.2	40.9	39.1	42.7	
Rhode Island	75.1	52.2	98.0	49.0	43.1	55.0	41.9	29.8	54.0	60.9	42.3	79.5	54.2	48.1	60.3	

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 (continued)	South Carolina	67.9	60.1	75.8	35.2	33.6	36.8	35.0	31.8	38.2	50.6	44.7	56.4	42.1	40.0	44.1
	South Dakota	75.5	56.9	94.1	54.9	47.4	62.5	40.1	30.4	49.8	57.6	43.4	71.8	57.1	49.4	64.8
	Tennessee	75.5	67.1	83.8	33.4	31.9	34.9	43.0	39.3	46.6	59.5	52.9	66.1	43.7	41.9	45.6
	Texas	81.6	74.7	88.4	40.2	38.9	41.5	50.5	48.2	52.9	89.0	81.5	96.4	53.1	51.4	54.8
	Utah	56.1	47.0	65.2	35.8	33.0	38.6	30.2	25.9	34.5	53.0	44.5	61.6	40.5	37.4	43.7
	Vermont	92.8	52.9	132.7	68.8	57.2	80.5	52.2	29.6	74.8	88.8	50.6	127.0	72.6	60.2	84.9
	Virginia	80.5	70.4	90.7	42.3	40.3	44.3	44.0	39.5	48.5	58.8	51.4	66.2	49.6	47.2	51.9
	Washington	67.9	60.0	75.8	48.6	46.3	50.9	46.5	42.2	50.8	61.8	54.6	69.0	52.9	50.7	55.1
	West Virginia	86.8	71.5	102.1	52.1	48.1	56.0	42.0	35.0	48.9	56.7	46.8	66.7	56.7	52.4	61.1
	Wisconsin	81.4	68.6	94.3	47.6	44.8	50.5	41.3	35.6	47.1	72.2	60.8	83.5	54.3	50.9	57.6
Wyoming	64.4	44.8	84.0	40.1	34.6	45.6	33.8	23.8	43.7	56.6	39.4	73.8	45.3	38.8	51.8	
FNS Region	Northeast	79.5	72.6	86.3	53.3	51.5	55.1	44.7	42.4	47.0	69.2	63.3	75.2	58.4	56.4	60.4
	Mid-Atlantic	77.0	70.5	83.5	45.0	43.5	46.5	43.3	41.2	45.4	65.4	59.9	70.9	52.0	50.4	53.7
	Southeast	78.6	72.5	84.7	42.4	41.2	43.7	44.4	42.9	45.9	64.1	59.1	69.0	50.7	49.2	52.1
	Midwest	80.2	73.8	86.6	43.3	41.9	44.6	41.9	40.3	43.5	67.5	62.1	72.8	51.2	49.6	52.7
	Southwest	77.9	71.7	84.1	38.6	37.4	39.8	46.2	44.4	48.0	76.7	70.6	82.8	49.8	48.3	51.3
	Mountain Plains	72.4	65.6	79.2	39.4	37.9	40.8	40.0	37.5	42.5	60.5	54.8	66.2	46.8	45.0	48.5
	Western	79.7	73.3	86.0	60.9	59.0	62.8	54.4	52.3	56.5	72.3	66.6	78.0	64.6	62.6	66.6
	<b>Total</b>	<b>78.5</b>	<b>72.8</b>	<b>84.2</b>	<b>45.9</b>	<b>44.6</b>	<b>47.3</b>	<b>45.6</b>	<b>44.6</b>	<b>46.6</b>	<b>69.0</b>	<b>64.0</b>	<b>74.0</b>	<b>53.5</b>	<b>52.0</b>	<b>55.0</b>

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 regional 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, 2023; 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 by State and FNS Region and Participant Category: CY 2022**

State/FNS Region		Infants			All 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	48.7	44.1	53.3	23.8	23.2	24.3	23.4	21.3	25.5	20.2	18.3	22.2	26.8	26.0	27.6
	Alaska	33.5	26.5	40.4	22.4	20.9	23.9	15.9	12.6	19.2	20.3	16.1	24.5	23.0	21.0	24.9
	Arizona	41.3	38.3	44.3	26.2	25.8	26.7	16.7	15.6	17.8	23.4	21.7	25.2	26.9	26.4	27.5
	Arkansas	47.2	43.3	51.1	18.2	17.8	18.7	21.0	19.4	22.7	22.1	20.3	24.0	23.4	22.7	24.0
	California	43.1	41.4	44.8	34.1	33.8	34.5	23.9	23.2	24.5	28.5	27.4	29.6	33.5	33.1	33.8
	Colorado	27.9	25.8	30.0	18.1	17.7	18.4	12.9	12.0	13.8	18.2	16.8	19.6	19.0	18.5	19.4
	Connecticut	32.1	29.1	35.0	18.2	17.7	18.6	15.5	14.1	16.9	15.0	13.6	16.4	19.4	18.9	19.9
	Delaware	41.9	32.6	51.1	23.0	21.7	24.3	17.2	13.4	21.0	21.5	16.7	26.3	24.8	23.1	26.4
	District of Columbia	33.1	27.0	39.3	17.0	15.9	18.2	12.1	9.8	14.4	20.8	17.0	24.7	19.4	18.5	20.4
	Florida	44.1	42.0	46.2	24.6	24.3	24.9	20.1	19.3	20.8	25.8	24.5	27.0	27.1	26.8	27.4
	Georgia	37.6	35.4	39.7	18.4	18.1	18.7	15.5	14.8	16.3	19.0	17.9	20.1	20.9	20.5	21.2
	Hawaii	39.7	33.5	45.9	26.6	25.6	27.6	20.2	17.0	23.3	25.9	21.9	30.0	27.7	26.4	28.9
	Idaho	28.5	25.3	31.7	18.9	18.4	19.5	11.9	10.6	13.1	18.1	16.1	20.1	19.4	18.7	20.1
	Illinois	33.0	31.2	34.8	14.4	14.2	14.6	13.6	13.0	14.3	15.9	15.0	16.7	17.2	16.9	17.4
	Indiana	42.3	39.8	44.8	25.9	25.5	26.4	16.9	16.0	17.7	24.7	23.3	26.2	27.1	26.6	27.5
	Iowa	34.7	31.4	37.9	21.4	20.9	22.0	14.9	13.5	16.2	21.4	19.4	23.4	22.6	21.8	23.4
	Kansas	29.0	26.1	31.8	18.0	17.5	18.5	13.9	12.6	15.3	16.1	14.6	17.7	18.9	18.3	19.5
	Kentucky	49.8	45.7	53.8	30.4	29.6	31.1	22.7	20.9	24.4	23.2	21.3	25.1	31.2	30.4	32.0
	Louisiana	45.5	41.4	49.6	15.0	14.6	15.3	17.3	15.8	18.8	24.6	22.4	26.9	21.2	20.6	21.8
	Maine	30.8	25.4	36.2	20.9	20.0	21.8	13.2	10.9	15.5	16.8	13.8	19.7	20.8	19.7	21.9
Maryland	40.0	36.6	43.4	22.4	22.0	22.8	19.6	18.0	21.1	23.9	21.8	25.9	24.8	24.2	25.4	
Massachusetts	32.8	30.4	35.2	26.8	26.3	27.3	16.2	15.2	17.3	20.0	18.5	21.4	25.4	24.9	25.9	
Michigan	42.7	40.2	45.2	27.3	26.9	27.7	20.4	19.4	21.5	20.7	19.5	22.0	27.7	27.2	28.2	
Minnesota	33.2	30.6	35.8	22.7	22.1	23.3	15.7	14.5	16.8	20.6	19.0	22.2	23.1	22.5	23.8	
Mississippi	51.6	46.7	56.4	23.3	22.7	23.9	16.3	14.9	17.8	23.2	21.0	25.3	26.5	25.6	27.3	
Missouri	33.9	31.5	36.4	14.4	14.1	14.7	14.9	13.9	15.9	17.8	16.5	19.1	17.8	17.4	18.1	

State/FNS Region		Infants			All 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 (continued)	Montana	27.5	23.6	31.5	18.2	17.3	19.0	12.9	11.1	14.7	15.0	12.8	17.1	18.4	17.6	19.2
	Nebraska	30.6	26.9	34.2	21.7	21.0	22.4	13.0	11.6	14.5	18.8	16.6	21.0	21.6	20.8	22.3
	Nevada	36.6	32.7	40.5	20.7	20.2	21.3	13.9	12.4	15.4	22.3	19.9	24.7	22.5	21.8	23.2
	New Hampshire	19.8	16.7	22.9	17.7	17.0	18.4	9.0	7.6	10.4	11.6	9.8	13.4	16.0	15.2	16.8
	New Jersey	31.7	29.6	33.8	20.8	20.5	21.1	13.6	12.8	14.5	20.8	19.4	22.2	21.6	21.1	22.0
	New Mexico	41.4	36.3	46.4	20.4	19.8	21.1	19.8	17.5	22.2	25.7	22.5	28.8	24.2	23.3	25.1
	New York	40.3	38.4	42.2	27.0	26.6	27.3	17.2	16.6	17.9	25.6	24.4	26.8	27.6	27.3	28.0
	North Carolina	48.2	45.5	50.9	30.6	30.1	31.1	23.3	22.1	24.4	27.1	25.5	28.6	31.8	31.3	32.3
	North Dakota	22.2	17.9	26.5	15.8	14.9	16.6	8.8	7.2	10.5	12.7	10.3	15.2	15.4	14.5	16.4
	Ohio	31.7	30.1	33.3	15.7	15.5	15.9	11.7	11.2	12.2	19.3	18.3	20.3	18.1	17.8	18.4
	Oklahoma	48.7	44.7	52.8	25.1	24.6	25.7	25.9	23.9	28.0	24.0	22.0	25.9	28.4	27.6	29.2
	Oregon	35.1	32.4	37.9	28.3	27.7	29.0	17.2	15.9	18.4	24.1	22.2	26.0	27.4	26.7	28.0
	Pennsylvania	29.3	27.6	31.0	16.2	15.9	16.4	11.6	11.1	12.2	17.4	16.4	18.4	17.7	17.4	18.0
	Rhode Island	36.6	30.2	43.0	21.4	20.4	22.5	15.8	13.1	18.5	21.3	17.6	25.1	23.0	21.9	24.1
	South Carolina	38.5	35.7	41.2	19.6	19.2	20.0	15.6	14.5	16.6	19.2	17.8	20.6	21.8	21.3	22.3
	South Dakota	30.0	25.5	34.4	19.9	18.9	20.9	13.1	11.2	15.0	14.8	12.6	16.9	19.8	18.7	20.8
	Tennessee	37.9	35.6	40.3	17.4	17.1	17.7	17.3	16.3	18.2	20.7	19.4	22.0	20.9	20.5	21.3
	Texas	45.6	43.7	47.6	22.5	22.2	22.7	21.8	21.1	22.5	32.5	31.1	33.9	27.3	27.0	27.6
	Utah	18.4	17.0	19.8	11.5	11.3	11.7	8.3	7.7	8.8	11.8	10.9	12.7	12.2	11.9	12.5
	Vermont	36.0	26.7	45.3	33.3	31.2	35.5	17.9	13.3	22.5	25.0	18.6	31.5	30.6	28.2	33.0
Virginia	29.0	27.1	30.9	17.7	17.4	17.9	12.5	11.7	13.2	15.7	14.6	16.7	18.4	18.0	18.8	
Washington	30.5	28.6	32.3	21.9	21.5	22.2	16.7	15.8	17.6	18.9	17.8	20.0	22.1	21.7	22.5	
West Virginia	46.0	39.9	52.1	29.5	28.5	30.6	19.6	17.1	22.2	22.5	19.5	25.5	29.7	28.5	30.9	
Wisconsin	30.2	28.1	32.4	20.3	19.7	20.9	12.6	11.7	13.4	16.5	15.3	17.7	20.3	19.8	20.7	
Wyoming	26.7	20.2	33.2	15.9	15.1	16.7	11.8	8.9	14.6	16.1	12.2	20.1	17.0	15.5	18.5	

State/FNS Region		Infants			All 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	36.8	35.3	38.4	25.4	25.2	25.7	16.4	15.9	16.9	22.5	21.6	23.5	25.6	25.4	25.9
	Mid-Atlantic	35.1	33.7	36.5	21.2	21.0	21.4	15.8	15.3	16.2	20.7	19.9	21.6	22.5	22.3	22.8
	Southeast	43.7	42.2	45.2	23.6	23.4	23.8	19.4	19.0	19.8	23.1	22.3	23.9	25.9	25.7	26.1
	Midwest	35.5	34.2	36.8	20.3	20.1	20.5	15.0	14.7	15.3	19.5	18.8	20.2	21.7	21.6	21.9
	Southwest	43.4	41.8	44.9	21.4	21.2	21.6	20.0	19.6	20.5	27.9	26.9	29.0	25.5	25.3	25.7
	Mountain Plains	30.0	28.6	31.3	17.2	17.0	17.4	13.5	13.0	14.0	17.2	16.4	18.0	18.7	18.4	18.9
	Western	39.8	38.4	41.2	30.5	30.2	30.8	21.3	20.8	21.7	26.0	25.1	27.0	30.2	29.9	30.4
	<b>Total</b>	<b>39.1</b>	<b>37.9</b>	<b>40.2</b>	<b>23.3</b>	<b>23.1</b>	<b>23.4</b>	<b>18.0</b>	<b>18.0</b>	<b>18.0</b>	<b>23.2</b>	<b>22.5</b>	<b>23.8</b>	<b>25.0</b>	<b>24.8</b>	<b>25.1</b>

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, 2023; 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 2022 estimates versus 2021 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 2022

This appendix presents tables containing detailed information on the 2022 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 2022. 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 Northern Mariana Islands, and the Virgin Islands).<sup>6</sup> A description of each table follows.

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

Several external factors and WIC policy changes influenced WIC program operations in 2022. These changes may influence the estimates and trends presented in this report. For example—

- In June 2021, the American Rescue Plan Act temporarily increased the monthly cash value benefit (CVB) issued to WIC participants for the purchase of fruits and vegetables. This increase was later extended, with the benefit amounts further increasing for women and children throughout calendar year 2022.
- In February 2022, an infant formula recall led to a national formula shortage. Combined with pandemic-related supply chain issues, the formula shortage continued through the summer months, leading to shifts in how infants were fed across the Nation through the remainder of 2022 and continuing into 2023 (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.
- 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. Some WIC clinics began shifting back to pre-COVID policies while others continued to waive physical presence requirements and issued benefits remotely. The impact of WIC waivers may have varied across State agencies with different policies. For example, State agencies using offline EBT technology may have been disadvantaged in comparison with State agencies with online EBT systems because they could not easily issue benefits remotely.

*Table C.1. Steps, Data Sources, Methods, and Adjustment Factors Used for Estimates of WIC Eligibility: CY 2022*

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 2022 estimates: (1) 2023 CPS ASEC data (U.S. Census Bureau, n.d.-a); (2) 2021 and 2022 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.).

<sup>6</sup> 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.

*Table C.2. Estimated Average Monthly Number of Individuals Eligible for WIC by Participant Category: CY 2022*

This table shows the estimated average monthly number of individuals eligible for WIC by participant category in 2022 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 2023*

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 2023*

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 2020–March 2023*

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 2019–2022 (U.S. Census Bureau, 2023b); 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 2022 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 2023*

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, 2023b; 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 2023*

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 2022*

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 (CDC)—the percentage of new mothers breastfeeding their infants in the hospital after giving birth (the percentage ever breastfed), at 6 months postpartum, and at 12 months postpartum—with variations by race and Hispanic ethnicity.

The next section of the table shows 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 2022, the estimated average monthly number of women eligible for WIC as breastfeeding mothers was computed as 0.4868 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 2022*

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 2022; 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.<sup>7</sup>

*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 2022*

These tables show the estimates of infants and children eligible for WIC by demographic and income characteristics in the March 2023 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

---

<sup>7</sup> 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 Northern Mariana Islands, and the Virgin Islands (i.e., the IDB).

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, 879,890 male infants and 927,843 female infants were eligible for WIC in an average month in 2022; C.6b2 shows that, among infants eligible for WIC, 48.7 percent were male, and 51.3 percent were female.

*Table C.7. Changes in the Total Population, Total WIC Eligibility, and WIC Eligibility Rates by Participant Category: CY 2021–CY 2022*

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 2021 and 2022.

*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 2021–CY 2022*

This table shows the step-by-step percentage changes in the numbers of infants and children from 2021 to 2022 (excluding the U.S. territories). For example, it shows that the number of infants and children eligible for WIC through adjunctive income eligibility saw less than a 1-percent change between 2021 and 2022, while the number of infants and children who met income eligibility criteria decreased by 6 percent in the same time period.

*Table C.9. Standard Error and Coefficient of Variation for Estimates by Participant Category: CY 2022*

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 2022**

	Step	Data Source(s)	Methods and Adjustment Factors		
Infants and children	Categorical eligibility	<ul style="list-style-type: none"> <li>2023 CPS ASEC, national estimates</li> <li>2021 and 2022 ACS, State estimates</li> <li>2021 and 2022 PRCS, Puerto Rico estimates</li> <li>2022 IDB, other island territories estimates</li> </ul>	Identify individuals aged 0, 1, 2, 3, and 4 in each survey.		
	Weight adjustment	<ul style="list-style-type: none"> <li>National estimates                             <ul style="list-style-type: none"> <li>2022 Vital Statistics and March CPS ASEC for 2023</li> </ul> </li> <li>State and Puerto Rico estimates                             <ul style="list-style-type: none"> <li>Postcensal population estimates from U.S. Census Bureau for July 2022</li> </ul> </li> </ul>	Adjust sampling weights to account for undercount or overcount in CPS estimates relative to Vital Statistics estimates by year of age and sex.	<p><b>Adjustment Factors for Females</b></p> <ul style="list-style-type: none"> <li>Infants: 1.0354</li> <li>1-year-old children: 0.9474</li> <li>2-year-old children: 1.0107</li> <li>3-year-old children: 0.9907</li> <li>4-year-old children: 0.9958</li> </ul>	<p><b>Adjustment Factors for Males</b></p> <ul style="list-style-type: none"> <li>Infants: 1.0697</li> <li>1-year-old children: 0.9185</li> <li>2-year-old children: 1.0124</li> <li>3-year-old children: 0.9837</li> <li>4-year-old children: 1.0027</li> </ul>
	Income eligibility	<ul style="list-style-type: none"> <li>2023 CPS ASEC, national estimates</li> <li>2021 and 2022 ACS, State estimates</li> <li>2021 and 2022 PRCS, Puerto Rico estimates</li> <li>2022 IDB, other island territories estimates</li> <li>Blended 2021 and 2022 FPGs</li> </ul>	Count as eligible if prior year’s annual income was ≤ 185 percent of the Federal Poverty Guidelines.		
	Adjunctive income eligibility	<ul style="list-style-type: none"> <li>2023 CPS ASEC</li> <li>2021 and 2022 ACS</li> <li>2021 and 2022 PRCS</li> </ul>	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 2022 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.		
	Adjust for fluctuations in monthly income and certification periods	Average of factors from 2019, 2020, 2021, and 2022 Survey of Income and Program Participation panel	Adjust estimates to account for impact of monthly fluctuations in income and program participation and for impact of 6- and 12-month certification periods. <sup>a</sup> <ul style="list-style-type: none"> <li>Infants adjustment factor (used for estimates from PRCS and IDB data): 1.0191</li> <li>Infants adjustment factors by race and ethnicity (used for estimates from CPS ASEC and ACS data)                             <ul style="list-style-type: none"> <li>White-Only, Not Hispanic: 1.1245</li> <li>All others: 1.0000</li> </ul> </li> <li>Children adjustment factor assuming 12-month certification periods (used for estimates from PRCS and IDB data): 1.0000</li> <li>Children adjustment factors by race and ethnicity (used for estimates from CPS ASEC data)                             <ul style="list-style-type: none"> <li>White-Only, Not Hispanic: 1.0000</li> <li>All others: 1.0000</li> </ul> </li> </ul>		
	Adjust for nutritional risk	CNSTAT panel; IOM report (2002); and FNS guidance	Multiply infant and child estimates by 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		

	Step	Data Source(s)	Methods and Adjustment Factors
Pregnant women	Categorical eligibility	<ul style="list-style-type: none"> <li>2023 CPS ASEC, national estimates</li> <li>2021 and 2022 ACS, State estimates</li> <li>2021 and 2022 PRCS, Puerto Rico estimates</li> <li>2022 IDB, other island territories estimates</li> <li>Average of 3 years of CDC National Vital Statistics data (i.e., 2020–2022 Births: Final Data, 2018–2020 Period Linked Birth – Infant Death Data Files, and 2019–2021 Fetal Death Data Files); Abortion Surveillance System (2019–2021); National Vital Statistics System mortality file (2019–2021)</li> </ul>	<ul style="list-style-type: none"> <li>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 average duration of pregnancy.</li> <li>State and territory: Use as a starting point the final average monthly eligibility estimate for infants. Multiply by factor to account for 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).</li> </ul>
	Weight adjustment	<ul style="list-style-type: none"> <li>National estimates <ul style="list-style-type: none"> <li>Postcensal population estimates from U.S. Census Bureau and March CPS ASEC for 2020, 2021, 2022, and 2023</li> </ul> </li> <li>State and Puerto Rico estimates <ul style="list-style-type: none"> <li>Postcensal population estimates from U.S. Census Bureau for July 2022</li> </ul> </li> </ul>	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 (Black-Only, Not Hispanic; White-Only, Not Hispanic; Two or More Races or Other Race, Not Hispanic; and Hispanic/Latino).
	Income eligibility	<ul style="list-style-type: none"> <li>2023 CPS ASEC, national estimates</li> <li>2021 and 2022 ACS, State estimates</li> <li>2021 and 2022 PRCS, Puerto Rico estimates</li> <li>2022 IDB, Other island territories estimates</li> <li>Blended 2021 and 2022 FPGs</li> </ul>	Count as eligible if prior year’s annual income was ≤ 185 percent of the Federal Poverty Guidelines.
	Adjunctive income eligibility	<ul style="list-style-type: none"> <li>2023 CPS ASEC, national estimates</li> <li>2021 and 2022 ACS, State and national estimates</li> <li>2021 and 2022 PRCS, Puerto Rico estimates</li> </ul>	<ul style="list-style-type: none"> <li>Add in as eligible women in families who reported participating in Medicaid, SNAP, or TANF at any point during the prior calendar year.</li> <li>For national estimates, use 2022 ACS data to impute Medicaid and SNAP participation for those who do not report participating in either program to account for CPS ASEC undercount.</li> </ul>
	Adjust 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 2019, 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: <ul style="list-style-type: none"> <li>Infant adjustment factor (used for estimates from PRCS and IDB data): 1.0191</li> <li>Infants adjustment factors by race and ethnicity (used for State-level estimates) <ul style="list-style-type: none"> <li>White-Only, Not Hispanic: 1.1245</li> </ul> </li> </ul> All others: 1.0000
	Adjust for nutritional risk	CNSTAT panel; IOM report (2022); and FNS guidance	Multiply pregnant women estimate by factor to account for otherwise eligible pregnant women who might not be at nutritional risk. Estimates assume all pregnant women were 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.
	Adjust for multiple births and infant deaths	<p>Separate adjustment factors for breastfeeding and non-breastfeeding postpartum women to reflect the population</p> <ul style="list-style-type: none"> <li>▪ Breastfeeding: CDC National Vital Statistics (i.e., 2022 Births: Final Data; 2018–2020 Period Linked Birth/ Infant Death Data Files) and National Vital Statistics System mortality file (2019–2021)</li> <li>▪ Non-breastfeeding: CDC National Vital Statistics (i.e., 2022 Births: Final Data, 2018–2020 Period Linked Birth/Infant Death Data Files), National Vital Statistics System mortality file (2019–2021), and Abortion Surveillance data</li> </ul>	<p>Breastfeeding postpartum women: Multiply by factor to account for 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).</p> <ul style="list-style-type: none"> <li>▪ Breastfeeding postpartum women adjustment factors <ul style="list-style-type: none"> <li>– Hispanic/Latino: 0.9871</li> <li>– Black-Only, Not Hispanic: 0.9777</li> <li>– White-Only, Not Hispanic: 0.9829</li> <li>– Two or More Races or Other Race, Not Hispanic: 0.9857</li> </ul> </li> </ul> <p>Non-breastfeeding postpartum women: Multiply by factor to account for 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).</p> <ul style="list-style-type: none"> <li>▪ Non-breastfeeding postpartum women adjustment factors <ul style="list-style-type: none"> <li>– Hispanic/Latino: 1.1367</li> <li>– Black-Only, Not Hispanic: 1.1748</li> <li>– White-Only, Not Hispanic: 1.1761</li> <li>– Two or More Races or Other Race, Not Hispanic: 1.1546</li> </ul> </li> </ul>
	Adjust for breastfeeding status	CDC NIS breastfeeding rates computed for 2018, 2019, and 2020 birth cohorts (2020 NIS birth cohort covers years 2021 and 2022)	<p>Multiply by factors to estimate average monthly women eligible for WIC as breastfeeding women (&lt; 12 months postpartum) or non-breastfeeding women (&lt; 6 months postpartum). Eligibility determined by income and Medicaid participation. Separate State-level breastfeeding adjustments are used for the ACS data.</p> <ul style="list-style-type: none"> <li>▪ Breastfeeding (used for estimates from PRCS and IDB data): 0.4572</li> <li>▪ Breastfeeding by race and ethnicity (used for estimates from CPS ASEC) <ul style="list-style-type: none"> <li>– Hispanic/Latino: 0.4868</li> <li>– Black-Only, Not Hispanic: 0.4158</li> <li>– White-Only, Not Hispanic: 0.4501</li> <li>– Two or More Races or Other Race, Not Hispanic: 0.4475</li> </ul> </li> <li>▪ Non-breastfeeding (used for estimates from PRCS and IDB data): 0.2316</li> <li>▪ Non-breastfeeding by race and ethnicity (used for estimates from CPS ASEC) <ul style="list-style-type: none"> <li>– Hispanic/Latino: 0.2199</li> <li>– Black-Only, Not Hispanic: 0.2460</li> <li>– White-Only, Not Hispanic: 0.2347</li> <li>– Two or More Races or Other Race, Not Hispanic: 0.2378</li> </ul> </li> </ul>

Step		Data Source(s)	Methods and Adjustment Factors
Postpartum women (continued)	Adjust for nutritional risk	CNSTAT panel; IOM report (2002); and FNS guidance	Multiply estimates for postpartum women by 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; IDB = International Database; N/A = not applicable; NIS = National Immunization Survey; PRCS = Puerto Rico Community Survey; SIPP = Survey of Income and Program Participation

<sup>a</sup> 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 2023 CPS ASEC data, see U.S. Census Bureau, n.d.-a; for 2021 and 2022 ACS and PRCS data, see IPUMS-USA, n.d.; for 2022 IDB data, see U.S. Census Bureau, n.d.-b; for 2019–2022 National Vital Statistics data, see National Center for Health Statistics, n.d.; for July 2023 postcensal population estimate data, see U.S. Census Bureau, 2023a, 2023b, 2023c; for WIC income eligibility criteria, see 7 C.F.R. § 246; for 2021 and 2022 FPG, see HHS, n.d.; for 2019–2022 SIPP data, see U.S. Census Bureau, n.d.-c; for the Committee on National Statistics panel data, see Ver Ploeg & Betson, 2003; for 2019–2021 Abortion Surveillance System data, see Kortsmid et al. 2023; for 2019–2021 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 2022**

Participant Category	Number Eligible	Percent of Total Eligible	Total Population	Eligibility Rate
<b>Infants</b>	<b>1,830,448</b>	<b>15.5</b>	<b>3,672,318</b>	<b>49.8</b>
<b>Children</b>	<b>7,523,916</b>	<b>63.8</b>	<b>14,837,992</b>	<b>50.7</b>
1-year-old children	1,852,300	15.7	3,667,605	50.5
2-year-old children	1,909,244	16.2	3,619,676	52.7
3-year-old children	1,864,052	15.8	3,753,387	49.7
4-year-old children	1,898,321	16.1	3,797,324	50.0
<b>Women</b>	<b>2,438,659</b>	<b>20.7</b>	<b>6,758,981</b>	<b>36.1</b>
Pregnant women	1,124,940	9.5	2,851,339	39.5
Postpartum women	1,313,719	11.1	3,907,642	33.6
Breastfeeding women	822,967	7.0	1,977,449	41.6
Non-breastfeeding women	490,752	4.2	1,930,192	25.4
<b>Total</b>	<b>11,793,023</b>	<b>100.0</b>	<b>25,269,292</b>	<b>46.7</b>

Note: The total population consists of individuals in the 50 States, the District of Columbia, and the U.S. territories served by WIC in each participant category. The eligibility rate is the ratio of the total number of individuals eligible for WIC to the total population in each participant category. The average monthly population of postpartum women includes all women who gave birth less than 1 year 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 2023**

Participant Category		Female	Male	Total
Infants	Vital Statistics estimate	1,784,189	1,862,912	3,647,101
	CPS ASEC estimate	1,723,114	1,741,608	3,464,722
	Ratio of Vital Statistics estimate to CPS ASEC estimate	1.0354	1.0697	1.0526
1-year-old children	Vital Statistics estimate	1,781,753	1,861,882	3,643,635
	CPS ASEC estimate	1,880,619	2,027,007	3,907,626
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9474	0.9185	0.9324
2-year-old children	Vital Statistics estimate	1,756,832	1,837,233	3,594,065
	CPS ASEC estimate	1,738,295	1,814,726	3,553,021
	Ratio of Vital Statistics estimate to CPS ASEC estimate	1.0107	1.0124	1.0116
3-year-old children	Vital Statistics estimate	1,820,847	1,905,772	3,726,619
	CPS ASEC estimate	1,837,860	1,937,257	3,775,117
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9907	0.9837	0.9872
4-year-old children	Vital Statistics estimate	1,844,134	1,926,111	3,770,245
	CPS ASEC estimate	1,851,931	1,920,835	3,772,766
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9958	1.0027	0.9993
Total children	Vital Statistics estimate	7,203,566	7,530,998	14,734,564
	CPS ASEC estimate	7,308,705	7,699,825	15,008,530
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9856	0.9781	0.9817
Total infants and children	Vital Statistics estimate	8,987,755	9,393,911	18,381,666
	CPS ASEC estimate	9,031,819	9,441,433	18,473,252
	Ratio of Vital Statistics estimate to CPS ASEC estimate	0.9951	0.9950	0.9950

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 2023**

Participant Category		Female	Male	Total
Infants	Population adjustment factor	1.0354	1.0697	N/A
	Revised CPS ASEC estimate	1,784,112	1,862,998	3,647,110
	Original CPS ASEC estimate	1,723,114	1,741,608	3,464,722
	Percent relative change	3.5	7.0	5.3
1-year-old children	Population adjustment factor	0.9474	0.9185	N/A
	Revised CPS ASEC estimate	1,781,699	1,861,806	3,643,505
	Original CPS ASEC estimate	1,880,619	2,027,007	3,907,626
	Percent relative change	-5.3	-8.2	-6.8
2-year-old children	Population adjustment factor	1.0107	1.0124	N/A
	Revised CPS ASEC estimate	1,756,894	1,837,229	3,594,123
	Original CPS ASEC estimate	1,738,295	1,814,726	3,553,021
	Percent relative change	1.1	1.2	1.2
3-year-old children	Population adjustment factor	0.9907	0.9837	N/A
	Revised CPS ASEC estimate	1,820,768	1,905,679	3,726,447
	Original CPS ASEC estimate	1,837,860	1,937,257	3,775,117
	Percent relative change	-0.9	-1.6	-1.3
4-year-old children	Population adjustment factor	0.9958	1.0027	N/A
	Revised CPS ASEC estimate	1,844,153	1,926,021	3,770,174
	Original CPS ASEC estimate	1,851,931	1,920,835	3,772,766
	Percent relative change	-0.4	0.3	-0.1
Total children	Population adjustment factor	N/A	N/A	N/A
	Revised CPS ASEC estimate	7,203,514	7,530,736	14,734,250
	Original CPS ASEC estimate	7,308,705	7,699,825	15,008,530
	Percent relative change	-1.4	-2.2	-1.8

Participant Category		Female	Male	Total
Total infants and children	Population adjustment factor	N/A	N/A	N/A
	Revised CPS ASEC estimate	8,987,626	9,393,734	18,381,360
	Original CPS ASEC estimate	9,031,819	9,441,433	18,473,252
	Percent relative change	-0.5	-0.5	-0.5

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 2020–March 2023**

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
15-year-old women	U.S. Census Bureau estimate	2,164,070	1,168,661	4,246,638	878,583	8,457,952
	CPS estimate	2,191,448	1,211,430	4,110,183	817,402	8,330,463
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9875	0.9647	1.0332	1.0748	1.0153
16-year-old women	U.S. Census Bureau estimate	2,123,219	1,152,948	4,274,567	868,775	8,419,509
	CPS estimate	2,166,257	1,216,979	4,383,798	914,867	8,681,901
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9801	0.9474	0.9751	0.9496	0.9698
17-year-old women	U.S. Census Bureau estimate	2,077,690	1,140,528	4,282,787	862,351	8,363,356
	CPS estimate	2,148,901	1,229,644	4,424,688	896,730	8,699,963
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9669	0.9275	0.9679	0.9617	0.9613
18-year-old women	U.S. Census Bureau estimate	2,080,997	1,163,227	4,383,596	872,819	8,500,639
	CPS estimate	2,015,062	1,057,145	4,124,420	855,163	8,051,790
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0327	1.1003	1.0628	1.0206	1.0557
19-year-old women	U.S. Census Bureau estimate	2,118,496	1,212,725	4,541,206	895,677	8,768,104
	CPS estimate	1,864,409	1,044,652	3,663,904	699,881	7,272,847
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1363	1.1609	1.2394	1.2798	1.2056
20-year-old women	U.S. Census Bureau estimate	2,123,826	1,247,978	4,621,527	900,189	8,893,520
	CPS estimate	2,062,611	1,091,256	4,152,755	828,195	8,134,818
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0297	1.1436	1.1129	1.0869	1.0933
21-year-old women	U.S. Census Bureau estimate	2,110,457	1,267,126	4,678,631	901,889	8,958,103
	CPS estimate	2,054,465	1,229,039	4,073,887	883,689	8,241,081
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0273	1.0310	1.1484	1.0206	1.0870
22-year-old women	U.S. Census Bureau estimate	2,054,778	1,259,387	4,637,630	899,184	8,850,979
	CPS estimate	1,917,498	1,148,165	4,457,183	929,532	8,452,377
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0716	1.0969	1.0405	0.9674	1.0472

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
23-year-old women	U.S. Census Bureau estimate	1,968,444	1,225,041	4,535,680	883,498	8,612,663
	CPS estimate	2,000,194	1,393,887	4,489,262	998,775	8,882,117
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9841	0.8789	1.0103	0.8846	0.9697
24-year-old women	U.S. Census Bureau estimate	1,917,416	1,210,273	4,499,882	885,416	8,512,987
	CPS estimate	1,994,470	1,212,808	4,278,327	885,400	8,371,005
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9614	0.9979	1.0518	1.0000	1.0170
25-year-old women	U.S. Census Bureau estimate	1,889,314	1,218,660	4,499,325	896,103	8,503,402
	CPS estimate	1,947,401	1,293,936	4,559,183	868,254	8,668,775
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9702	0.9418	0.9869	1.0321	0.9809
26-year-old women	U.S. Census Bureau estimate	1,885,073	1,249,062	4,546,854	912,894	8,593,883
	CPS estimate	2,043,833	1,192,190	4,574,401	918,681	8,729,105
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9223	1.0477	0.9940	0.9937	0.9845
27-year-old women	U.S. Census Bureau estimate	1,891,227	1,291,127	4,618,708	932,956	8,734,018
	CPS estimate	1,888,348	1,221,671	4,651,717	936,129	8,697,865
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0015	1.0569	0.9929	0.9966	1.0042
28-year-old women	U.S. Census Bureau estimate	1,899,699	1,335,840	4,720,881	956,698	8,913,118
	CPS estimate	1,926,676	1,282,763	4,930,114	970,888	9,110,441
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9860	1.0414	0.9576	0.9854	0.9783
29-year-old women	U.S. Census Bureau estimate	1,897,126	1,370,210	4,839,107	981,036	9,087,479
	CPS estimate	2,038,918	1,334,245	4,926,822	1,055,137	9,355,123
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9305	1.0270	0.9822	0.9298	0.9714
30-year-old women	U.S. Census Bureau estimate	1,882,259	1,385,400	4,939,669	1,000,295	9,207,623
	CPS estimate	1,946,396	1,316,922	4,890,182	1,000,074	9,153,576
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9670	1.0520	1.0101	1.0002	1.0059
31-year-old women	U.S. Census Bureau estimate	1,843,887	1,372,245	4,981,872	1,011,921	9,209,925
	CPS estimate	1,910,916	1,226,444	4,927,904	1,038,329	9,103,593
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9649	1.1189	1.0110	0.9746	1.0117

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
32-year-old women	U.S. Census Bureau estimate	1,805,845	1,334,807	4,978,811	1,008,399	9,127,862
	CPS estimate	1,763,884	1,278,210	5,241,939	1,035,675	9,319,706
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0238	1.0443	0.9498	0.9737	0.9794
33-year-old women	U.S. Census Bureau estimate	1,770,687	1,285,552	4,929,891	994,372	8,980,502
	CPS estimate	1,790,427	1,266,209	5,238,389	1,005,130	9,300,154
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9890	1.0153	0.9411	0.9893	0.9656
34-year-old women	U.S. Census Bureau estimate	1,750,262	1,239,234	4,904,192	979,961	8,873,649
	CPS estimate	1,621,199	1,147,263	5,272,073	950,635	8,991,170
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0796	1.0802	0.9302	1.0308	0.9869
35-year-old women	U.S. Census Bureau estimate	1,742,310	1,205,234	4,890,481	965,570	8,803,595
	CPS estimate	1,657,980	1,101,151	5,278,055	958,885	8,996,073
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0509	1.0945	0.9266	1.0070	0.9786
36-year-old women	U.S. Census Bureau estimate	1,735,185	1,182,845	4,875,720	958,673	8,752,423
	CPS estimate	1,763,847	1,238,024	5,075,845	915,656	8,993,372
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9838	0.9554	0.9606	1.0470	0.9732
37-year-old women	U.S. Census Bureau estimate	1,741,056	1,173,643	4,885,968	956,013	8,756,680
	CPS estimate	1,756,498	1,170,711	5,167,918	873,025	8,968,152
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9912	1.0025	0.9454	1.0951	0.9764
38-year-old women	U.S. Census Bureau estimate	1,743,624	1,164,434	4,873,725	949,684	8,731,467
	CPS estimate	1,739,183	1,020,148	4,908,704	931,984	8,600,019
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0026	1.1414	0.9929	1.0190	1.0153
39-year-old women	U.S. Census Bureau estimate	1,744,452	1,163,117	4,865,436	935,801	8,708,806
	CPS estimate	1,644,993	1,058,965	4,774,921	959,931	8,438,809
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0605	1.0984	1.0190	0.9749	1.0320
40-year-old women	U.S. Census Bureau estimate	1,744,494	1,167,046	4,848,150	920,287	8,679,977
	CPS estimate	1,715,246	1,184,073	5,058,064	953,242	8,910,626
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0171	0.9856	0.9585	0.9654	0.9741

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
41-year-old women	U.S. Census Bureau estimate	1,711,012	1,152,486	4,769,053	895,365	8,527,916
	CPS estimate	1,728,196	1,132,099	5,004,724	842,528	8,707,547
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9901	1.0180	0.9529	1.0627	0.9794
42-year-old women	U.S. Census Bureau estimate	1,687,270	1,134,644	4,691,182	870,808	8,383,904
	CPS estimate	1,641,123	1,070,093	4,877,195	815,050	8,403,461
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0281	1.0603	0.9619	1.0684	0.9977
43-year-old women	U.S. Census Bureau estimate	1,656,052	1,105,025	4,582,871	850,114	8,194,062
	CPS estimate	1,713,115	1,143,551	4,605,416	812,860	8,274,942
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9667	0.9663	0.9951	1.0458	0.9902
44-year-old women	U.S. Census Bureau estimate	1,627,504	1,072,366	4,479,145	831,667	8,010,682
	CPS estimate	1,502,690	991,344	4,505,178	733,414	7,732,626
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0831	1.0817	0.9942	1.1340	1.0360

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.

<sup>a</sup> 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.

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

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

**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 2023**

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
15-year-old women	U.S. Census Bureau estimate	561,545	301,952	1,063,304	228,265	2,155,066
	CPS estimate	573,015	312,059	1,062,700	210,617	2,158,392
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9800	0.9676	1.0006	1.0838	0.9985
16-year-old women	U.S. Census Bureau estimate	556,760	297,950	1,066,954	222,547	2,144,211
	CPS estimate	568,719	314,216	1,062,181	251,711	2,196,828
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9790	0.9482	1.0045	0.8841	0.9760
17-year-old women	U.S. Census Bureau estimate	538,340	289,945	1,058,776	219,527	2,106,588
	CPS estimate	593,656	295,149	1,198,934	231,614	2,319,353
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9068	0.9824	0.8831	0.9478	0.9083
18-year-old women	U.S. Census Bureau estimate	526,178	284,929	1,065,274	223,107	2,099,488
	CPS estimate	526,128	307,747	1,018,028	241,901	2,093,804
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0001	0.9259	1.0464	0.9223	1.0027
19-year-old women	U.S. Census Bureau estimate	520,718	286,159	1,088,345	223,423	2,118,645
	CPS estimate	448,870	240,900	960,974	179,527	1,830,271
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1601	1.1879	1.1325	1.2445	1.1576
20-year-old women	U.S. Census Bureau estimate	515,136	288,362	1,083,013	220,294	2,106,805
	CPS estimate	557,098	258,683	1,083,424	198,686	2,097,891
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9247	1.1147	0.9996	1.1088	1.0042
21-year-old women	U.S. Census Bureau estimate	540,446	311,356	1,157,851	229,583	2,239,236
	CPS estimate	524,946	295,659	990,702	264,490	2,075,796
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0295	1.0531	1.1687	0.8680	1.0787
22-year-old women	U.S. Census Bureau estimate	561,006	332,642	1,216,189	246,185	2,356,022
	CPS estimate	491,258	302,002	1,199,206	224,617	2,217,082
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1420	1.1015	1.0142	1.0960	1.0627

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
23-year-old women	U.S. Census Bureau estimate	525,821	318,186	1,165,445	232,477	2,241,929
	CPS estimate	551,732	415,283	1,266,890	260,244	2,494,149
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9530	0.7662	0.9199	0.8933	0.8989
24-year-old women	U.S. Census Bureau estimate	505,249	309,732	1,144,371	228,351	2,187,703
	CPS estimate	507,301	321,776	1,120,724	213,256	2,163,057
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9960	0.9626	1.0211	1.0708	1.0114
25-year-old women	U.S. Census Bureau estimate	485,044	303,053	1,117,288	228,615	2,134,000
	CPS estimate	471,684	310,888	1,086,415	215,113	2,084,100
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0283	0.9748	1.0284	1.0628	1.0239
26-year-old women	U.S. Census Bureau estimate	476,637	300,036	1,118,816	231,867	2,127,356
	CPS estimate	485,276	292,978	1,121,014	205,555	2,104,823
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9822	1.0241	0.9980	1.1280	1.0107
27-year-old women	U.S. Census Bureau estimate	476,461	304,496	1,128,566	235,479	2,145,002
	CPS estimate	505,431	239,524	1,168,072	250,305	2,163,333
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9427	1.2713	0.9662	0.9408	0.9915
28-year-old women	U.S. Census Bureau estimate	476,450	318,880	1,144,662	239,089	2,179,081
	CPS estimate	435,425	333,000	1,143,777	242,625	2,154,827
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0942	0.9576	1.0008	0.9854	1.0113
29-year-old women	U.S. Census Bureau estimate	479,168	332,552	1,163,453	243,618	2,218,791
	CPS estimate	490,665	359,576	1,126,859	266,697	2,243,797
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9766	0.9248	1.0325	0.9135	0.9889
30-year-old women	U.S. Census Bureau estimate	483,070	342,013	1,192,318	249,081	2,266,482
	CPS estimate	459,297	300,795	1,168,953	203,625	2,132,670
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0518	1.1370	1.0200	1.2232	1.0627
31-year-old women	U.S. Census Bureau estimate	481,507	349,593	1,228,207	256,237	2,315,544
	CPS estimate	509,563	338,790	1,179,715	326,120	2,354,189
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9449	1.0319	1.0411	0.7857	0.9836

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
32-year-old women	U.S. Census Bureau estimate	474,107	352,225	1,262,796	260,603	2,349,731
	CPS estimate	418,706	349,697	1,250,128	282,376	2,300,907
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1323	1.0072	1.0101	0.9229	1.0212
33-year-old women	U.S. Census Bureau estimate	460,375	345,701	1,255,338	259,823	2,321,237
	CPS estimate	505,620	347,268	1,283,312	250,551	2,386,751
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9105	0.9955	0.9782	1.0370	0.9726
34-year-old women	U.S. Census Bureau estimate	445,871	328,154	1,236,306	258,476	2,268,807
	CPS estimate	447,310	333,075	1,281,822	248,692	2,310,898
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9968	0.9852	0.9645	1.0393	0.9818
35-year-old women	U.S. Census Bureau estimate	440,616	311,670	1,221,467	249,958	2,223,711
	CPS estimate	400,731	290,268	1,303,552	249,791	2,244,343
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0995	1.0737	0.9370	1.0007	0.9908
36-year-old women	U.S. Census Bureau estimate	438,018	302,805	1,215,860	244,882	2,201,565
	CPS estimate	469,523	341,502	1,182,806	226,437	2,220,269
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9329	0.8867	1.0279	1.0815	0.9916
37-year-old women	U.S. Census Bureau estimate	439,055	299,351	1,228,880	243,891	2,211,177
	CPS estimate	415,344	320,880	1,324,766	225,210	2,286,200
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0571	0.9329	0.9276	1.0829	0.9672
38-year-old women	U.S. Census Bureau estimate	435,747	293,495	1,218,470	242,544	2,190,256
	CPS estimate	427,982	273,275	1,223,565	263,361	2,188,182
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.0181	1.0740	0.9958	0.9210	1.0009
39-year-old women	U.S. Census Bureau estimate	433,451	288,721	1,207,200	241,136	2,170,508
	CPS estimate	468,174	231,954	1,078,321	250,780	2,029,229
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9258	1.2447	1.1195	0.9615	1.0696
40-year-old women	U.S. Census Bureau estimate	443,752	292,441	1,225,409	240,848	2,202,450
	CPS estimate	465,855	313,353	1,177,538	272,632	2,229,377
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9526	0.9333	1.0407	0.8834	0.9879

Year of Age		Race and Hispanic Ethnicity				Total
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	
41-year-old women	U.S. Census Bureau estimate	437,667	288,299	1,212,693	234,610	2,173,269
	CPS estimate	472,994	256,739	1,229,748	243,039	2,202,519
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9253	1.1229	0.9861	0.9653	0.9867
42-year-old women	U.S. Census Bureau estimate	438,164	293,057	1,213,829	229,273	2,174,323
	CPS estimate	389,070	295,645	1,222,645	244,252	2,151,613
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1262	0.9912	0.9928	0.9387	1.0106
43-year-old women	U.S. Census Bureau estimate	427,680	289,228	1,183,394	223,372	2,123,674
	CPS estimate	458,903	284,874	1,189,988	189,218	2,122,982
	Ratio of U.S. Census Bureau estimate to CPS estimate	0.9320	1.0153	0.9945	1.1805	1.0003
44-year-old women	U.S. Census Bureau estimate	411,626	278,136	1,147,435	215,500	2,052,697
	CPS estimate	366,337	272,926	1,148,460	198,523	1,986,245
	Ratio of U.S. Census Bureau estimate to CPS estimate	1.1236	1.0191	0.9991	1.0855	1.0335

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.

<sup>a</sup> 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.

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

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

**Table C.3b3. Effects of Applying Population Adjustment Factors to Population Counts for Pregnant Women in the 2022 CPS ASEC by Year of Age and Race and Hispanic Ethnicity: March 2023**

Year of Age	Race and Hispanic Ethnicity					
	Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	Total	
15-year-old women	Population adjustment factor	0.9875	0.9676	1.0006	1.0748	N/A
	Revised CPS ASEC estimate	565,853	301,949	1,063,338	226,371	2,157,511
	Original CPS ASEC estimate	573,015	312,059	1,062,700	210,617	2,158,392
	Percent relative change	-1.3	-3.2	0.1	7.5	0.0
16-year-old women	Population adjustment factor	0.9801	0.9482	1.0000	0.9496	N/A
	Revised CPS ASEC estimate	557,402	297,940	1,062,181	239,025	2,156,548
	Original CPS ASEC estimate	568,719	314,216	1,062,181	251,711	2,196,828
	Percent relative change	-2.0	-5.2	0.0	-5.0	-1.8
17-year-old women	Population adjustment factor	0.9669	0.9824	0.9679	0.9617	N/A
	Revised CPS ASEC estimate	574,006	289,954	1,160,448	222,743	2,247,152
	Original CPS ASEC estimate	593,656	295,149	1,198,934	231,614	2,319,353
	Percent relative change	-3.3	-1.8	-3.2	-3.8	-3.1
18-year-old women	Population adjustment factor	1.0001	1.0000	1.0464	1.0000	N/A
	Revised CPS ASEC estimate	526,180	307,747	1,065,264	241,901	2,141,093
	Original CPS ASEC estimate	526,128	307,747	1,018,028	241,901	2,093,804
	Percent relative change	0.0	0.0	4.6	0.0	2.3
19-year-old women	Population adjustment factor	1.1363	1.1609	1.1325	1.2445	N/A
	Revised CPS ASEC estimate	510,051	279,661	1,088,303	223,422	2,101,437
	Original CPS ASEC estimate	448,870	240,900	960,974	179,527	1,830,271
	Percent relative change	13.6	16.1	13.3	24.5	14.8
20-year-old women	Population adjustment factor	1.0000	1.1147	1.0000	1.0869	N/A
	Revised CPS ASEC estimate	557,098	288,354	1,083,424	215,952	2,144,827
	Original CPS ASEC estimate	557,098	258,683	1,083,424	198,686	2,097,891
	Percent relative change	0.0	11.5	0.0	8.7	2.2

Year of Age	Race and Hispanic Ethnicity					Total
	Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>		
21-year-old women	Population adjustment factor	1.0273	1.0310	1.1484	1.0000	N/A
	Revised CPS ASEC estimate	539,277	304,825	1,137,722	264,490	2,246,313
	Original CPS ASEC estimate	524,946	295,659	990,702	264,490	2,075,796
	Percent relative change	2.7	3.1	14.8	0.0	8.2
22-year-old women	Population adjustment factor	1.0716	1.0969	1.0142	1.0000	N/A
	Revised CPS ASEC estimate	526,432	331,266	1,216,235	224,617	2,298,549
	Original CPS ASEC estimate	491,258	302,002	1,199,206	224,617	2,217,082
	Percent relative change	7.2	9.7	1.4	0.0	3.7
23-year-old women	Population adjustment factor	0.9841	0.8789	1.0000	0.8933	N/A
	Revised CPS ASEC estimate	542,960	364,993	1,266,890	232,476	2,407,318
	Original CPS ASEC estimate	551,732	415,283	1,266,890	260,244	2,494,149
	Percent relative change	-1.6	-12.1	0.0	-10.7	-3.5
24-year-old women	Population adjustment factor	0.9960	0.9979	1.0211	1.0000	N/A
	Revised CPS ASEC estimate	505,272	321,100	1,144,371	213,256	2,184,000
	Original CPS ASEC estimate	507,301	321,776	1,120,724	213,256	2,163,057
	Percent relative change	-0.4	-0.2	2.1	0.0	1.0
25-year-old women	Population adjustment factor	1.0000	0.9748	1.0000	1.0321	N/A
	Revised CPS ASEC estimate	471,684	303,054	1,086,415	222,018	2,083,170
	Original CPS ASEC estimate	471,684	310,888	1,086,415	215,113	2,084,100
	Percent relative change	0.0	-2.5	0.0	3.2	0.0
26-year-old women	Population adjustment factor	0.9822	1.0241	0.9980	1.0000	N/A
	Revised CPS ASEC estimate	476,638	300,039	1,118,772	205,555	2,101,004
	Original CPS ASEC estimate	485,276	292,978	1,121,014	205,555	2,104,823
	Percent relative change	-1.8	2.4	-0.2	0.0	-0.2

Year of Age		Race and Hispanic Ethnicity				
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	Total
27-year-old women	Population adjustment factor	1.0000	1.0569	0.9929	0.9966	N/A
	Revised CPS ASEC estimate	505,431	253,153	1,159,779	249,454	2,167,817
	Original CPS ASEC estimate	505,431	239,524	1,168,072	250,305	2,163,333
	Percent relative change	0.0	5.7	-0.7	-0.3	0.2
28-year-old women	Population adjustment factor	1.0000	1.0000	1.0000	0.9854	N/A
	Revised CPS ASEC estimate	435,425	333,000	1,143,777	239,083	2,151,284
	Original CPS ASEC estimate	435,425	333,000	1,143,777	242,625	2,154,827
	Percent relative change	0.0	0.0	0.0	-1.5	-0.2
29-year-old women	Population adjustment factor	0.9766	1.0000	1.0000	0.9298	N/A
	Revised CPS ASEC estimate	479,183	359,576	1,126,859	247,975	2,213,593
	Original CPS ASEC estimate	490,665	359,576	1,126,859	266,697	2,243,797
	Percent relative change	-2.3	0.0	0.0	-7.0	-1.3
30-year-old women	Population adjustment factor	1.0000	1.0520	1.0101	1.0002	N/A
	Revised CPS ASEC estimate	459,297	316,437	1,180,759	203,666	2,160,159
	Original CPS ASEC estimate	459,297	300,795	1,168,953	203,625	2,132,670
	Percent relative change	0.0	5.2	1.0	0.0	1.3
31-year-old women	Population adjustment factor	0.9649	1.0319	1.0110	0.9746	N/A
	Revised CPS ASEC estimate	491,678	349,597	1,192,692	317,837	2,351,804
	Original CPS ASEC estimate	509,563	338,790	1,179,715	326,120	2,354,189
	Percent relative change	-3.5	3.2	1.1	-2.5	-0.1
32-year-old women	Population adjustment factor	1.0238	1.0072	1.0000	0.9737	N/A
	Revised CPS ASEC estimate	428,672	352,214	1,250,128	274,949	2,305,963
	Original CPS ASEC estimate	418,706	349,697	1,250,128	282,376	2,300,907
	Percent relative change	2.4	0.7	0.0	-2.6	0.2

Year of Age	Race and Hispanic Ethnicity					Total
	Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>		
33-year-old women	Population adjustment factor	0.9890	1.0000	0.9782	1.0000	N/A
	Revised CPS ASEC estimate	500,058	347,268	1,255,335	250,551	2,353,213
	Original CPS ASEC estimate	505,620	347,268	1,283,312	250,551	2,386,751
	Percent relative change	-1.1	0.0	-2.2	0.0	-1.4
34-year-old women	Population adjustment factor	1.0000	1.0000	0.9645	1.0308	N/A
	Revised CPS ASEC estimate	447,310	333,075	1,236,317	256,351	2,273,053
	Original CPS ASEC estimate	447,310	333,075	1,281,822	248,692	2,310,898
	Percent relative change	0.0	0.0	-3.6	3.1	-1.6
35-year-old women	Population adjustment factor	1.0509	1.0737	0.9370	1.0007	N/A
	Revised CPS ASEC estimate	421,128	311,661	1,221,429	249,966	2,204,184
	Original CPS ASEC estimate	400,731	290,268	1,303,552	249,791	2,244,343
	Percent relative change	5.1	7.4	-6.3	0.1	-1.8
36-year-old women	Population adjustment factor	0.9838	0.9554	1.0000	1.0470	N/A
	Revised CPS ASEC estimate	461,917	326,271	1,182,806	237,079	2,208,074
	Original CPS ASEC estimate	469,523	341,502	1,182,806	226,437	2,220,269
	Percent relative change	-1.6	-4.5	0.0	4.7	-0.5
37-year-old women	Population adjustment factor	1.0000	1.0000	0.9454	1.0829	N/A
	Revised CPS ASEC estimate	415,344	320,880	1,252,434	243,880	2,232,538
	Original CPS ASEC estimate	415,344	320,880	1,324,766	225,210	2,286,200
	Percent relative change	0.0	0.0	-5.5	8.3	-2.3
38-year-old women	Population adjustment factor	1.0026	1.0740	0.9958	1.0000	N/A
	Revised CPS ASEC estimate	429,094	293,497	1,218,426	263,361	2,204,378
	Original CPS ASEC estimate	427,982	273,275	1,223,565	263,361	2,188,182
	Percent relative change	0.3	7.4	-0.4	0.0	0.7

Year of Age		Race and Hispanic Ethnicity				
		Hispanic/Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	Total
39-year-old women	Population adjustment factor	1.0000	1.0984	1.0190	0.9749	N/A
	Revised CPS ASEC estimate	468,174	254,778	1,098,809	244,486	2,066,247
	Original CPS ASEC estimate	468,174	231,954	1,078,321	250,780	2,029,229
	Percent relative change	0.0	9.8	1.9	-2.5	1.8
40-year-old women	Population adjustment factor	1.0000	0.9856	1.0000	0.9654	N/A
	Revised CPS ASEC estimate	465,855	308,840	1,177,538	263,199	2,215,431
	Original CPS ASEC estimate	465,855	313,353	1,177,538	272,632	2,229,377
	Percent relative change	0.0	-1.4	0.0	-3.5	-0.6
41-year-old women	Population adjustment factor	0.9901	1.0180	0.9861	1.0000	N/A
	Revised CPS ASEC estimate	468,311	261,360	1,212,654	243,039	2,185,365
	Original CPS ASEC estimate	472,994	256,739	1,229,748	243,039	2,202,519
	Percent relative change	-1.0	1.8	-1.4	0.0	-0.8
42-year-old women	Population adjustment factor	1.0281	1.0000	0.9928	1.0000	N/A
	Revised CPS ASEC estimate	400,002	295,645	1,213,842	244,252	2,153,742
	Original CPS ASEC estimate	389,070	295,645	1,222,645	244,252	2,151,613
	Percent relative change	2.8	0.0	-0.7	0.0	0.1
43-year-old women	Population adjustment factor	0.9667	1.0000	0.9951	1.0458	N/A
	Revised CPS ASEC estimate	443,621	284,874	1,184,157	197,884	2,110,536
	Original CPS ASEC estimate	458,903	284,874	1,189,988	189,218	2,122,982
	Percent relative change	-3.3	0.0	-0.5	4.6	-0.6
44-year-old women	Population adjustment factor	1.0831	1.0191	0.9991	1.0855	N/A
	Revised CPS ASEC estimate	396,780	278,139	1,147,426	215,497	2,037,841
	Original CPS ASEC estimate	366,337	272,926	1,148,460	198,523	1,986,245
	Percent relative change	8.3	1.9	-0.1	8.6	2.6

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.

<sup>a</sup> 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.

CPS ASEC = Current Population Survey Annual Social and Economic Supplement

N/A = not applicable

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

**Table C.4. Breastfeeding Adjustment Factor Calculations for Postpartum Women Eligible for WIC: CY 2022**

		Adjustments	2022
Breastfeeding in hospital	Hispanic/Latino		0.7809
	Black-only, not Hispanic		0.7354
	White-only, not Hispanic		0.7650
	Two or more races or other race, not Hispanic <sup>a</sup>		0.7502
Breastfeeding at 6 months	Hispanic/Latino		0.5067
	Black-only, not Hispanic		0.4324
	White-only, not Hispanic		0.4548
	Two or more races or other race, not Hispanic <sup>a</sup>		0.4552
Breastfeeding at 12 months	Hispanic/Latino		0.3203
	Black-only, not Hispanic		0.2149
	White-only, not Hispanic		0.2842
	Two or more races or other race, not Hispanic <sup>a</sup>		0.2863
Additional adjustment factors for maternal deaths/ infant and fetal deaths/multiple births	Additional adjustments for postpartum breastfeeding women	Hispanic/Latino	0.9871
		Black-only, not Hispanic	0.9777
		White-only, not Hispanic	0.9829
		Two or more races or other race, not Hispanic <sup>a</sup>	0.9857
	Additional adjustments for postpartum non-breastfeeding women	Hispanic/Latino	1.1367
		Black-only, not Hispanic	1.1748
		White-only, not Hispanic	1.1761
		Two or more races or other race, not Hispanic <sup>a</sup>	1.1546
Adjustment for breastfeeding cessation		Adjustment to average breastfeeding	0.8700
Final adjustment factors <sup>b</sup>	Breastfeeding adjustment factor	Hispanic/Latino	0.4868
		Black-only, not Hispanic	0.4158
		White-only, not Hispanic	0.4501
		Two or more races or other race, not Hispanic <sup>a</sup>	0.4475
	Non-breastfeeding adjustment factor	Hispanic/Latino	0.2199
		Black-only, not Hispanic	0.2460
		White-only, not Hispanic	0.2347
		Two or more races or other race, not Hispanic <sup>a</sup>	0.2378

CY = calendar year

<sup>a</sup> 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.

<sup>b</sup> 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, 2023; 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 2022**

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
Total number of infants and children in CPS ASEC data	3,464,722	15,008,530	3,907,626	3,553,021	3,775,117	3,772,766	–	–	–	18,473,252
Number after adjustment for CPS ASEC undercount, overcount	3,647,110	14,734,250	3,643,505	3,594,123	3,726,447	3,770,174	–	–	–	18,381,360
Number with annual income <= 185 percent of the FPG	1,029,263	4,320,006	1,009,340	1,117,982	1,092,897	1,099,788	–	–	–	5,349,269
Number adjunctively income-eligible and with annual income > 185 percent of the FPG <sup>a</sup>	715,549	3,118,506	824,206	769,636	748,876	775,788	–	–	–	3,834,055
Through SNAP	299,145	1,328,950	354,780	332,987	305,823	335,359	–	–	–	1,628,094
Through TANF	3,196	19,718	2,009	2,761	6,604	8,344	–	–	–	22,914
Through Medicaid	413,208	1,769,839	467,417	433,888	436,449	432,085	–	–	–	2,183,047
Total number income- and adjunctively income-eligible	1,744,812	7,438,512	1,833,546	1,887,618	1,841,773	1,875,576	–	–	–	9,183,325
Number after adjustment for monthly income and certification periods	1,807,733	7,438,512	1,833,546	1,887,618	1,841,773	1,875,576	–	–	–	9,246,246

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
<b>Total number eligible: Number after adjustment for nutritional risk (infants and children)</b>	<b>1,807,733</b>	<b>7,438,512</b>	<b>1,833,546</b>	<b>1,887,618</b>	<b>1,841,773</b>	<b>1,875,576</b>	–	–	–	<b>9,246,246</b>
Starting point for estimates of pregnant and postpartum women	–	–	–	–	–	–	25,252,785	1,807,733	1,807,733	28,868,252
<b>Total number eligible: Number after adjustments for pregnancy and breastfeeding status</b>	–	–	–	–	–	–	<b>1,109,453</b>	<b>812,593</b>	<b>485,497</b>	<b>2,407,543</b>
Total number eligible in the 50 States and the District of Columbia, excluding the U.S. territories served by WIC	1,807,733	7,438,512	1,833,546	1,887,618	1,841,773	1,875,576	1,109,453	812,593	485,497	11,653,789
Total number eligible in all U.S. territories served by WIC <sup>b</sup>	22,715	85,404	18,754	21,626	22,278	22,745	15,486	10,374	5,255	139,234
<b>Total number eligible in the 50 States, the District of Columbia, and the U.S. territories served by WIC</b>	<b>1,830,448</b>	<b>7,523,916</b>	<b>1,852,300</b>	<b>1,909,244</b>	<b>1,864,052</b>	<b>1,898,321</b>	<b>1,124,940</b>	<b>822,967</b>	<b>490,752</b>	<b>11,793,023</b>

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

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

<sup>b</sup> See appendix D for the derivation of WIC eligibility in U.S. territories.

– denotes blank cells

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 2022**

Characteristics		Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
		Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>978,469</b>	<b>680,397</b>	<b>1,658,866</b>	<b>1,082,883</b>	<b>883,707</b>	<b>1,966,590</b>	<b>1,105,163</b>	<b>760,844</b>	<b>1,866,006</b>
Sex	Male	471,019	322,629	793,648	573,825	450,445	1,024,270	584,663	383,294	967,956
	Female	507,451	357,768	865,218	509,058	433,262	942,320	520,500	377,550	898,050
Race	Black	221,992	156,505	378,498	322,913	250,948	573,861	244,281	152,999	397,280
	White	629,996	411,700	1,041,696	644,283	521,497	1,165,780	722,520	504,703	1,227,223
	Another race <sup>c</sup>	126,481	112,192	238,673	115,687	111,261	226,949	138,361	103,142	241,503
Hispanic ethnicity	Hispanic/Latino	376,180	282,217	658,396	367,592	314,038	681,630	433,213	263,707	696,920
	Not Hispanic/Latino	602,290	398,180	1,000,470	715,291	569,669	1,284,960	671,950	497,136	1,169,086
Living arrangement	Two-parent family	604,319	440,119	1,044,439	559,313	680,939	1,240,252	609,941	497,862	1,107,802
	Single-parent family	299,097	216,979	516,076	453,059	178,341	631,400	411,650	236,923	648,572
	No-parent family	75,053	23,298	98,352	70,511	24,427	94,938	83,572	26,059	109,631
	Related nonparent caretaker	21,009	23,298	44,308	20,021	24,427	44,448	45,544	26,059	71,603
	Unrelated nonparent caretaker	54,044	0	54,044	50,490	0	50,490	38,028	0	38,028
Military status of household members	Ever served in U.S. military	34,225	62,921	97,146	42,270	63,143	105,413	31,730	64,306	96,036
	Serving in U.S. military in 2022 <sup>d</sup>	24,028	14,805	38,833	6,307	24,160	30,467	7,774	4,376	12,150
Number of individuals in household	2	52,561	20,623	73,184	77,429	16,765	94,193	64,370	23,938	88,309
	3	236,946	187,702	424,648	198,640	196,174	394,814	150,257	139,979	290,236
	4	215,385	136,288	351,673	236,102	276,086	512,188	338,421	207,241	545,662
	5	233,731	154,603	388,333	281,439	191,782	473,222	287,231	185,905	473,136
	6 or more	239,847	181,181	421,028	289,273	202,899	492,172	264,883	203,781	468,664
	Mean	4.6	4.7	4.6	4.7	4.7	4.7	4.7	4.8	4.7
Number with working parent(s)		640,574	548,322	1,188,896	684,771	773,292	1,458,063	796,198	642,551	1,438,750

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC			
	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG	No income	92,299	0	92,299	113,940	0	113,940	93,190	0	93,190
	Up to 50 percent of FPG	153,480	0	153,480	133,284	0	133,284	152,971	0	152,971
	More than 50 percent up to 100 percent of FPG	232,318	0	232,318	247,688	0	247,688	275,322	0	275,322
	More than 100 percent up to 130 percent of FPG	168,773	0	168,773	217,869	0	217,869	191,750	0	191,750
	More than 130 percent up to 150 percent of FPG	110,427	0	110,427	107,485	0	107,485	157,204	0	157,204
	More than 150 percent up to 185 percent of FPG	221,172	0	221,172	262,617	0	262,617	234,725	0	234,725
	More than 185 percent up to 200 percent of FPG	0	67,809	67,809	0	73,737	73,737	0	88,686	88,686
	More than 200 percent of FPG	0	612,588	612,588	0	809,970	809,970	0	672,157	672,157
Receipt of other benefits	No benefit receipt	197,345	0	197,345	185,855	0	185,855	190,846	0	190,846
	Medicaid, SNAP, and TANF	12,809	11,960	24,769	69,068	2,275	71,344	23,454	10,683	34,137
	SNAP and TANF only	1,148	0	1,148	0	0	0	975	0	975
	Medicaid and SNAP only	368,710	182,045	550,755	465,406	298,803	764,209	517,923	221,567	739,490
	Medicaid and TANF only	4,739	0	4,739	0	2,121	2,121	3,048	2,338	5,387
	SNAP only	116,919	89,904	206,823	59,655	79,527	139,182	30,704	96,941	127,645
	TANF only	0	3,087	3,087	463	0	463	0	390	390
	Medicaid only	276,800	393,401	670,201	302,435	500,980	803,415	338,212	428,924	767,137

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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.6a1 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Counts): CY 2022**

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>1,107,209</b>	<b>758,472</b>	<b>1,865,681</b>	<b>1,100,325</b>	<b>776,363</b>	<b>1,876,688</b>	<b>4,395,580</b>	<b>3,179,385</b>	<b>7,574,966</b>
Sex	Male	573,621	363,159	936,780	591,828	389,243	981,071	2,323,937	1,586,140	3,910,077
	Female	533,588	395,314	928,902	508,498	387,120	895,617	2,071,644	1,593,245	3,664,888
Race	Black	260,655	163,952	424,607	273,703	185,269	458,972	1,101,552	753,168	1,854,721
	White	700,054	488,827	1,188,882	677,035	492,324	1,169,359	2,743,893	2,007,351	4,751,244
	Another race <sup>c</sup>	146,500	105,693	252,193	149,587	98,770	248,357	550,135	418,866	969,001
Hispanic ethnicity	Hispanic/Latino	379,559	257,262	636,821	406,057	265,155	671,212	1,586,421	1,100,162	2,686,583
	Not Hispanic/Latino	727,650	501,210	1,228,861	694,268	511,208	1,205,476	2,809,159	2,079,224	4,888,383
Living arrangement	Two-parent family	537,102	540,260	1,077,362	577,086	551,772	1,128,858	2,283,442	2,270,832	4,554,274
	Single-parent family	515,957	192,935	708,892	458,840	198,762	657,602	1,839,506	806,960	2,646,466
	No-parent family	54,150	25,277	79,427	64,399	25,830	90,228	272,632	101,593	374,225
	Related nonparent caretaker	19,171	25,277	44,448	30,700	25,830	56,530	115,436	101,593	217,029
	Unrelated nonparent caretaker	34,979	0	34,979	33,699	0	33,699	157,197	0	157,197
Military status of household members	Ever served in U.S. military	45,468	54,875	100,343	57,554	69,748	127,302	177,022	252,072	429,094
	Serving in U.S. military in 2022 <sup>d</sup>	13,320	11,763	25,083	4,607	7,234	11,840	32,008	47,533	79,541
Number of individuals in household	2	66,627	23,918	90,544	51,428	14,957	66,385	259,853	79,578	339,431
	3	175,282	97,651	272,933	170,374	116,130	286,504	694,553	549,934	1,244,486
	4	291,896	242,783	534,678	291,434	213,912	505,346	1,157,854	940,022	2,097,875
	5	254,507	180,326	434,833	228,429	222,864	451,293	1,051,607	780,876	1,832,483
	6 or more	318,898	213,795	532,693	358,660	208,500	567,160	1,231,714	828,976	2,060,690
	Mean	4.8	4.9	4.8	4.9	4.9	4.9	4.8	4.8	4.8
Number with working parent(s)		724,898	671,390	1,396,289	778,508	725,527	1,504,036	2,984,377	2,812,761	5,797,137

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG	No income	97,609	0	97,609	78,012	0	78,012	382,752	0	382,752
	Up to 50 percent of FPG	159,500	0	159,500	114,102	0	114,102	559,856	0	559,856
	More than 50 percent up to 100 percent of FPG	268,854	0	268,854	284,601	0	284,601	1,076,466	0	1,076,466
	More than 100 percent up to 130 percent of FPG	231,498	0	231,498	197,258	0	197,258	838,376	0	838,376
	More than 130 percent up to 150 percent of FPG	117,246	0	117,246	155,406	0	155,406	537,341	0	537,341
	More than 150 percent up to 185 percent of FPG	232,502	0	232,502	270,946	0	270,946	1,000,790	0	1,000,790
	More than 185 percent up to 200 percent of FPG	0	97,877	97,877	0	68,054	68,054	0	328,354	328,354
	More than 200 percent of FPG	0	660,595	660,595	0	708,309	708,309	0	2,851,031	2,851,031
Receipt of other benefits	No benefit receipt	171,236	0	171,236	167,924	0	167,924	715,862	0	715,862
	Medicaid, SNAP, and TANF	58,400	3,439	61,839	55,905	9,409	65,315	206,828	25,807	232,635
	SNAP and TANF only	0	0	0	0	0	0	975	0	975
	Medicaid and SNAP only	503,660	217,515	721,176	515,033	224,512	739,545	2,002,022	962,398	2,964,420
	Medicaid and TANF only	4,460	6,666	11,126	3,164	8,370	11,534	10,672	19,496	30,168
	SNAP only	44,395	88,933	133,328	51,861	101,720	153,581	186,615	367,120	553,735
	TANF only	0	0	0	0	0	0	463	390	853
Medicaid only	325,058	441,919	766,977	306,437	432,352	738,789	1,272,142	1,804,175	3,076,318	

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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 Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Percentages): CY 2022**

Characteristics		Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
		Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>978,469</b>	<b>680,397</b>	<b>1,658,866</b>	<b>1,082,883</b>	<b>883,707</b>	<b>1,966,590</b>	<b>1,105,163</b>	<b>760,844</b>	<b>1,866,006</b>
Sex	Male	48.1	47.4	47.8	53.0	51.0	52.1	52.9	50.4	51.9
	Female	51.9	52.6	52.2	47.0	49.0	47.9	47.1	49.6	48.1
Race	Black	22.7	23.0	22.8	29.8	28.4	29.2	22.1	20.1	21.3
	White	64.4	60.5	62.8	59.5	59.0	59.3	65.4	66.3	65.8
	Another race <sup>c</sup>	12.9	16.5	14.4	10.7	12.6	11.5	12.5	13.6	12.9
Hispanic ethnicity	Hispanic/Latino	38.4	41.5	39.7	33.9	35.5	34.7	39.2	34.7	37.3
	Not Hispanic/Latino	61.6	58.5	60.3	66.1	64.5	65.3	60.8	65.3	62.7
Living arrangement	Two-parent family	61.8	64.7	63.0	51.7	77.1	63.1	55.2	65.4	59.4
	Single-parent family	30.6	31.9	31.1	41.8	20.2	32.1	37.2	31.1	34.8
	No-parent family	7.7	3.4	5.9	6.5	2.8	4.8	7.6	3.4	5.9
	Related nonparent caretaker	2.1	3.4	2.7	1.8	2.8	2.3	4.1	3.4	3.8
	Unrelated nonparent caretaker	5.5	0.0	3.3	4.7	0.0	2.6	3.4	0.0	2.0
Military status of household members	Ever served in U.S. military	3.5	9.2	5.9	3.9	7.1	5.4	2.9	8.5	5.1
	Serving in U.S. military in 2022 <sup>d</sup>	2.5	2.2	2.3	0.6	2.7	1.5	0.7	0.6	0.7
Number of individuals in household	2	5.4	3.0	4.4	7.2	1.9	4.8	5.8	3.1	4.7
	3	24.2	27.6	25.6	18.3	22.2	20.1	13.6	18.4	15.6
	4	22.0	20.0	21.2	21.8	31.2	26.0	30.6	27.2	29.2
	5	23.9	22.7	23.4	26.0	21.7	24.1	26.0	24.4	25.4
	6 or more	24.5	26.6	25.4	26.7	23.0	25.0	24.0	26.8	25.1
Percent with working parent(s)		65.5	80.6	71.7	63.2	87.5	74.1	72.0	84.5	77.1

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC			
	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG	No income	9.4	0.0	5.6	10.5	0.0	5.8	8.4	0.0	5.0
	Up to 50 percent of FPG	15.7	0.0	9.3	12.3	0.0	6.8	13.8	0.0	8.2
	More than 50 percent up to 100 percent of FPG	23.7	0.0	14.0	22.9	0.0	12.6	24.9	0.0	14.8
	More than 100 percent up to 130 percent of FPG	17.2	0.0	10.2	20.1	0.0	11.1	17.4	0.0	10.3
	More than 130 percent up to 150 percent of FPG	11.3	0.0	6.7	9.9	0.0	5.5	14.2	0.0	8.4
	More than 150 percent up to 185 percent of FPG	22.6	0.0	13.3	24.3	0.0	13.4	21.2	0.0	12.6
	More than 185 percent up to 200 percent of FPG	0.0	10.0	4.1	0.0	8.3	3.7	0.0	11.7	4.8
	More than 200 percent of FPG	0.0	90.0	36.9	0.0	91.7	41.2	0.0	88.3	36.0
Receipt of other benefits	No benefit receipt	20.2	0.0	11.9	17.2	0.0	9.5	17.3	0.0	10.2
	SNAP, TANF, and Medicaid	1.3	1.8	1.5	6.4	0.3	3.6	2.1	1.4	1.8
	SNAP and TANF only	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
	SNAP and Medicaid only	37.7	26.8	33.2	43.0	33.8	38.9	46.9	29.1	39.6
	TANF and Medicaid only	0.5	0.0	0.3	0.0	0.2	0.1	0.3	0.3	0.3
	SNAP only	11.9	13.2	12.5	5.5	9.0	7.1	2.8	12.7	6.8
	TANF only	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.1	0.0
	Medicaid only	28.3	57.8	40.4	27.9	56.7	40.9	30.6	56.4	41.1

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Unadjusted Weights, Percentages): CY 2022**

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>1,107,209</b>	<b>758,472</b>	<b>1,865,681</b>	<b>1,100,325</b>	<b>776,363</b>	<b>1,876,688</b>	<b>4,395,580</b>	<b>3,179,385</b>	<b>7,574,966</b>
Sex	Male	51.8	47.9	50.2	53.8	50.1	52.3	52.9	49.9	51.6
	Female	48.2	52.1	49.8	46.2	49.9	47.7	47.1	50.1	48.4
Race	Black	23.5	21.6	22.8	24.9	23.9	24.5	25.1	23.7	24.5
	White	63.2	64.4	63.7	61.5	63.4	62.3	62.4	63.1	62.7
	Another race <sup>c</sup>	13.2	13.9	13.5	13.6	12.7	13.2	12.5	13.2	12.8
Hispanic ethnicity	Hispanic/Latino	34.3	33.9	34.1	36.9	34.2	35.8	36.1	34.6	35.5
	Not Hispanic/Latino	65.7	66.1	65.9	63.1	65.8	64.2	63.9	65.4	64.5
Living arrangement	Two-parent family	48.5	71.2	57.7	52.4	71.1	60.2	51.9	71.4	60.1
	Single-parent family	46.6	25.4	38.0	41.7	25.6	35.0	41.8	25.4	34.9
	No-parent family	4.9	3.3	4.3	5.9	3.3	4.8	6.2	3.2	4.9
	Related nonparent caretaker	1.7	3.3	2.4	2.8	3.3	3.0	2.6	3.2	2.9
	Unrelated nonparent caretaker	3.2	0.0	1.9	3.1	0.0	1.8	3.6	0.0	2.1
Military status of household members	Ever served in U.S. military	4.1	7.2	5.4	5.2	9.0	6.8	4.0	7.9	5.7
	Serving in U.S. military in 2022 <sup>d</sup>	1.2	1.6	1.3	0.4	0.9	0.6	0.7	1.5	1.1
Number of individuals in household	2	6.0	3.2	4.9	4.7	1.9	3.5	5.9	2.5	4.5
	3	15.8	12.9	14.6	15.5	15.0	15.3	15.8	17.3	16.4
	4	26.4	32.0	28.7	26.5	27.6	26.9	26.3	29.6	27.7
	5	23.0	23.8	23.3	20.8	28.7	24.0	23.9	24.6	24.2
	6 or more	28.8	28.2	28.6	32.6	26.9	30.2	28.0	26.1	27.2
Percent with working parent(s)		65.5	88.5	74.8	70.8	93.5	80.1	67.9	88.5	76.5

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG	No income	8.8	0.0	5.2	7.1	0.0	4.2	8.7	0.0	5.1
	Up to 50 percent of FPG	14.4	0.0	8.5	10.4	0.0	6.1	12.7	0.0	7.4
	More than 50 percent up to 100 percent of FPG	24.3	0.0	14.4	25.9	0.0	15.2	24.5	0.0	14.2
	More than 100 percent up to 130 percent of FPG	20.9	0.0	12.4	17.9	0.0	10.5	19.1	0.0	11.1
	More than 130 percent up to 150 percent of FPG	10.6	0.0	6.3	14.1	0.0	8.3	12.2	0.0	7.1
	More than 150 percent up to 185 percent of FPG	21.0	0.0	12.5	24.6	0.0	14.4	22.8	0.0	13.2
	More than 185 percent up to 200 percent of FPG	0.0	12.9	5.2	0.0	8.8	3.6	0.0	10.3	4.3
	More than 200 percent of FPG	0.0	87.1	35.4	0.0	91.2	37.7	0.0	89.7	37.6
Receipt of other benefits	No benefit receipt	15.5	0.0	9.2	15.3	0.0	8.9	16.3	0.0	9.5
	Medicaid, SNAP, and TANF	5.3	0.5	3.3	5.1	1.2	3.5	4.7	0.8	3.1
	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	45.5	28.7	38.7	46.8	28.9	39.4	45.5	30.3	39.1
	Medicaid and TANF only	0.4	0.9	0.6	0.3	1.1	0.6	0.2	0.6	0.4
	SNAP only	4.0	11.7	7.1	4.7	13.1	8.2	4.2	11.5	7.3
	TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Medicaid only	29.4	58.3	41.1	27.9	55.7	39.4	28.9	56.7	40.6

Note: These estimates were tabulated from the unadjusted person weights for the CPS ASEC data. They are not adjusted to account for the undercount/overcount of infants and children in the CPS 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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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 Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Counts): CY 2022**

Characteristics		Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
		Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>1,069,257</b>	<b>738,476</b>	<b>1,807,733</b>	<b>1,009,340</b>	<b>824,206</b>	<b>1,833,546</b>	<b>1,117,982</b>	<b>769,636</b>	<b>1,887,618</b>
Sex	Male	522,765	357,125	879,890	527,058	413,734	940,792	591,912	388,047	979,959
	Female	546,492	381,351	927,843	482,282	410,472	892,754	526,069	381,590	907,659
Race	Black	233,179	165,091	398,270	301,599	233,879	535,478	247,104	154,768	401,872
	White	702,453	455,817	1,158,270	600,050	486,529	1,086,579	730,889	510,546	1,241,435
	Another race <sup>c</sup>	133,625	117,568	251,193	107,691	103,798	211,489	139,989	104,322	244,311
Hispanic ethnicity	Hispanic/Latino	396,086	296,127	692,213	341,681	292,999	634,681	438,232	266,741	704,973
	Not Hispanic/Latino	673,171	442,349	1,115,520	667,659	531,206	1,198,865	679,750	502,895	1,182,645
Living arrangement	Two-parent family	663,490	479,937	1,143,426	521,100	635,249	1,156,349	617,054	503,624	1,120,678
	Single-parent family	323,658	233,607	557,265	422,314	166,364	588,678	416,386	239,656	656,042
	No-parent family	82,109	24,932	107,042	65,926	22,593	88,519	84,541	26,357	110,898
	Related nonparent caretaker	22,615	24,932	47,548	18,693	22,593	41,286	46,071	26,357	72,428
	Unrelated nonparent caretaker	59,494	0	59,494	47,233	0	47,233	38,470	0	38,470
Military status of household members	Ever served in U.S. military	37,593	70,039	107,632	39,393	58,807	98,201	32,114	65,048	97,162
	Serving in U.S. military in 2022 <sup>d</sup>	26,103	15,930	42,032	5,864	22,360	28,224	7,868	4,430	12,298
Number of people in household	2	58,537	23,128	81,665	71,987	15,497	87,484	65,098	24,220	89,318
	3	256,181	203,172	459,353	185,329	182,829	368,159	151,982	141,580	293,562
	4	236,414	147,774	384,188	220,265	257,425	477,690	342,369	209,626	551,996
	5	256,436	166,972	423,409	262,573	179,190	441,764	290,589	188,075	478,664
	6 or more	261,689	197,429	459,118	269,185	189,264	458,449	267,943	206,134	474,078
	Mean	4.6	4.7	4.6	4.7	4.7	4.7	4.7	4.8	4.7
Number with working parent(s)		700,990	596,137	1,297,126	638,037	720,850	1,358,887	805,444	649,955	1,455,398

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC			
	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG	No income	100,915	0	100,915	106,513	0	106,513	94,279	0	94,279
	Up to 50 percent of FPG	168,880	0	168,880	124,108	0	124,108	154,764	0	154,764
	More than 50 percent up to 100 percent of FPG	251,709	0	251,709	231,331	0	231,331	278,455	0	278,455
	More than 100 percent up to 130 percent of FPG	181,832	0	181,832	203,055	0	203,055	193,957	0	193,957
	More than 130 percent up to 150 percent of FPG	122,327	0	122,327	99,771	0	99,771	159,011	0	159,011
	More than 150 percent up to 185 percent of FPG	243,594	0	243,594	244,561	0	244,561	237,515	0	237,515
	More than 185 percent up to 200 percent of FPG	0	75,544	75,544	0	69,022	69,022	0	89,725	89,725
	More than 200 percent of FPG	0	662,932	662,932	0	755,184	755,184	0	679,911	679,911
Receipt of other benefits	No benefit receipt	220,480	0	220,480	173,097	0	173,097	193,108	0	193,108
	Medicaid, SNAP, and TANF	14,567	13,050	27,617	64,171	2,156	66,327	23,718	10,807	34,524
	SNAP and TANF only	1,336	0	1,336	0	0	0	986	0	986
	Medicaid and SNAP only	397,591	196,176	593,768	434,125	278,798	712,923	523,916	224,117	748,033
	Medicaid and TANF only	5,151	0	5,151	0	2,009	2,009	3,086	2,367	5,454
	SNAP only	127,645	95,857	223,501	55,238	73,826	129,064	31,058	98,064	129,122
	TANF only	0	3,594	3,594	426	0	426	0	394	394
	Medicaid only	302,487	429,799	732,286	282,283	467,417	749,700	342,110	433,888	775,998

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Counts): CY 2022**

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>1,092,897</b>	<b>748,876</b>	<b>1,841,773</b>	<b>1,099,788</b>	<b>775,788</b>	<b>1,875,576</b>	<b>4,320,006</b>	<b>3,118,506</b>	<b>7,438,512</b>
Sex	Male	564,271	357,239	921,510	593,426	390,294	983,720	2,276,668	1,549,314	3,825,981
	Female	528,626	391,637	920,263	506,362	385,494	891,856	2,043,338	1,569,193	3,612,531
Race	Black	257,194	161,942	419,136	273,506	185,136	458,642	1,079,403	735,725	1,815,128
	White	690,996	482,597	1,173,593	676,850	491,931	1,168,781	2,698,785	1,971,604	4,670,389
	Another race <sup>c</sup>	144,707	104,337	249,043	149,431	98,721	248,152	541,818	411,177	952,995
Hispanic ethnicity	Hispanic/Latino	374,818	254,019	628,838	405,928	264,935	670,863	1,560,659	1,078,696	2,639,354
	Not Hispanic/Latino	718,079	494,857	1,212,935	693,860	510,853	1,204,713	2,759,347	2,039,811	4,799,158
Living arrangement	Two-parent family	530,310	533,470	1,063,780	576,787	551,267	1,128,053	2,245,251	2,223,608	4,468,860
	Single-parent family	509,205	190,447	699,651	458,539	198,717	657,256	1,806,444	795,183	2,601,627
	No-parent family	53,382	24,960	78,342	64,462	25,805	90,266	268,311	99,715	368,026
	Related nonparent caretaker	18,922	24,960	43,882	30,734	25,805	56,538	114,420	99,715	214,135
	Unrelated nonparent caretaker	34,460	0	34,460	33,728	0	33,728	153,891	0	153,891
Military status of household members	Ever served in U.S. military	44,907	54,131	99,038	57,423	69,732	127,156	173,837	247,719	421,556
	Serving in U.S. military in 2022 <sup>d</sup>	13,183	11,622	24,804	4,587	7,239	11,826	31,502	45,651	77,153
Number of people in household	2	65,717	23,678	89,396	51,393	14,945	66,338	254,195	78,341	332,536
	3	173,085	96,411	269,496	170,276	116,044	286,320	680,672	536,864	1,217,536
	4	288,194	239,690	527,884	291,351	213,718	505,069	1,142,180	920,459	2,062,639
	5	251,132	178,033	429,165	228,277	222,836	451,113	1,032,572	768,135	1,800,706
	6 or more	314,769	211,064	525,832	358,490	208,245	566,736	1,210,387	814,707	2,025,095
	Mean	4.8	4.9	4.8	4.9	4.9	4.9	4.8	4.8	4.8
Number with working parent(s)		715,426	662,963	1,378,389	778,010	724,935	1,502,946	2,936,917	2,758,703	5,695,620

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG	No income	96,309	0	96,309	78,010	0	78,010	375,111	0	375,111
	Up to 50 percent of FPG	157,320	0	157,320	114,096	0	114,096	550,289	0	550,289
	More than 50 percent up to 100 percent of FPG	265,464	0	265,464	284,418	0	284,418	1,059,668	0	1,059,668
	More than 100 percent up to 130 percent of FPG	228,487	0	228,487	197,132	0	197,132	822,631	0	822,631
	More than 130 percent up to 150 percent of FPG	115,735	0	115,735	155,306	0	155,306	529,823	0	529,823
	More than 150 percent up to 185 percent of FPG	229,582	0	229,582	270,825	0	270,825	982,484	0	982,484
	More than 185 percent up to 200 percent of FPG	0	96,634	96,634	0	68,003	68,003	0	323,384	323,384
	More than 200 percent of FPG	0	652,242	652,242	0	707,785	707,785	0	2,795,122	2,795,122
Receipt of other benefits	No benefit receipt	168,903	0	168,903	167,719	0	167,719	702,827	0	702,827
	Medicaid, SNAP, and TANF	57,601	3,391	60,992	55,875	9,435	65,310	201,365	25,788	227,153
	SNAP and TANF only	0	0	0	0	0	0	986	0	986
	Medicaid and SNAP only	497,131	214,692	711,824	514,914	224,378	739,292	1,970,086	941,985	2,912,072
	Medicaid and TANF only	4,403	6,604	11,006	3,150	8,344	11,494	10,639	19,324	29,963
	SNAP only	43,897	87,740	131,636	51,796	101,546	153,343	181,989	361,176	543,165
	TANF only	0	0	0	0	0	0	426	394	819
	Medicaid only	320,963	436,449	757,411	306,333	432,085	738,418	1,251,689	1,769,839	3,021,527

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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 Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Percentages): CY 2022**

Characteristics		Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC		
		Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>1,069,257</b>	<b>738,476</b>	<b>1,807,733</b>	<b>1,009,340</b>	<b>824,206</b>	<b>1,833,546</b>	<b>1,117,982</b>	<b>769,636</b>	<b>1,887,618</b>
Sex	Male	48.9	48.4	48.7	52.2	50.2	51.3	52.9	50.4	51.9
	Female	51.1	51.6	51.3	47.8	49.8	48.7	47.1	49.6	48.1
Race	Black	21.8	22.4	22.0	29.9	28.4	29.2	22.1	20.1	21.3
	White	65.7	61.7	64.1	59.5	59.0	59.3	65.4	66.3	65.8
	Another race <sup>c</sup>	12.5	15.9	13.9	10.7	12.6	11.5	12.5	13.6	12.9
Hispanic ethnicity	Hispanic/Latino	37.0	40.1	38.3	33.9	35.5	34.6	39.2	34.7	37.3
	Not Hispanic/Latino	63.0	59.9	61.7	66.1	64.5	65.4	60.8	65.3	62.7
Living arrangement	Two-parent family	62.1	65.0	63.3	51.6	77.1	63.1	55.2	65.4	59.4
	Single-parent family	30.3	31.6	30.8	41.8	20.2	32.1	37.2	31.1	34.8
	No-parent family	7.7	3.4	5.9	6.5	2.7	4.8	7.6	3.4	5.9
	Related nonparent caretaker	2.1	3.4	2.6	1.9	2.7	2.3	4.1	3.4	3.8
	Unrelated nonparent caretaker	5.6	0.0	3.3	4.7	0.0	2.6	3.4	0.0	2.0
Military status of household members	Ever served in U.S. military	3.5	9.5	6.0	3.9	7.1	5.4	2.9	8.5	5.1
	Serving in U.S. military in 2022 <sup>d</sup>	2.4	2.2	2.3	0.6	2.7	1.5	0.7	0.6	0.7
Number of people in household	2	5.5	3.1	4.5	7.1	1.9	4.8	5.8	3.1	4.7
	3	24.0	27.5	25.4	18.4	22.2	20.1	13.6	18.4	15.6
	4	22.1	20.0	21.3	21.8	31.2	26.1	30.6	27.2	29.2
	5	24.0	22.6	23.4	26.0	21.7	24.1	26.0	24.4	25.4
	6 or more	24.5	26.7	25.4	26.7	23.0	25.0	24.0	26.8	25.1
Percent with working parent(s)		65.6	80.7	71.8	63.2	87.5	74.1	72.0	84.5	77.1

Characteristics	Infants Eligible for WIC			1-Year-Old Children Eligible for WIC			2-Year-Old Children Eligible for WIC			
	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG <sup>b</sup>	No income	9.4	0.0	5.6	10.6	0.0	5.8	8.4	0.0	5.0
	Up to 50 percent of FPG	15.8	0.0	9.3	12.3	0.0	6.8	13.8	0.0	8.2
	More than 50 percent up to 100 percent of FPG	23.5	0.0	13.9	22.9	0.0	12.6	24.9	0.0	14.8
	More than 100 percent up to 130 percent of FPG	17.0	0.0	10.1	20.1	0.0	11.1	17.3	0.0	10.3
	More than 130 percent up to 150 percent of FPG	11.4	0.0	6.8	9.9	0.0	5.4	14.2	0.0	8.4
	More than 150 percent up to 185 percent of FPG	22.8	0.0	13.5	24.2	0.0	13.3	21.2	0.0	12.6
	More than 185 percent up to 200 percent of FPG	0.0	10.2	4.2	0.0	8.4	3.8	0.0	11.7	4.8
	More than 200 percent of FPG	0.0	89.8	36.7	0.0	91.6	41.2	0.0	88.3	36.0
Receipt of other benefits	No benefit receipt	20.6	0.0	12.2	17.2	0.0	9.4	17.3	0.0	10.2
	Medicaid, SNAP, and TANF	1.4	1.8	1.5	6.4	0.3	3.6	2.1	1.4	1.8
	SNAP and TANF only	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
	Medicaid and SNAP only	37.2	26.6	32.8	43.0	33.8	38.9	46.9	29.1	39.6
	Medicaid and TANF only	0.5	0.0	0.3	0.0	0.2	0.1	0.3	0.3	0.3
	SNAP only	11.9	13.0	12.4	5.5	9.0	7.0	2.8	12.7	6.8
	TANF only	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.1	0.0
	Medicaid only	28.3	58.2	40.5	28.0	56.7	40.9	30.6	56.4	41.1

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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 (continued). Estimated Average Monthly Numbers of Infants and Children, by Year of Age, Eligible for WIC by Demographic and Income Characteristics and Adjunctive Income Eligibility (Fully Adjusted Weights, Percentages): CY 2022**

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total
<b>Total</b>		<b>1,092,897</b>	<b>748,876</b>	<b>1,841,773</b>	<b>1,099,788</b>	<b>775,788</b>	<b>1,875,576</b>	<b>4,320,006</b>	<b>3,118,506</b>	<b>7,438,512</b>
Sex	Male	51.6	47.7	50.0	54.0	50.3	52.4	52.7	49.7	51.4
	Female	48.4	52.3	50.0	46.0	49.7	47.6	47.3	50.3	48.6
Race	Black	23.5	21.6	22.8	24.9	23.9	24.5	25.0	23.6	24.4
	White	63.2	64.4	63.7	61.5	63.4	62.3	62.5	63.2	62.8
	Another race <sup>c</sup>	13.2	13.9	13.5	13.6	12.7	13.2	12.5	13.2	12.8
Hispanic ethnicity	Hispanic/Latino	34.3	33.9	34.1	36.9	34.2	35.8	36.1	34.6	35.5
	Not Hispanic/Latino	65.7	66.1	65.9	63.1	65.9	64.2	63.9	65.4	64.5
Living arrangement	Two-parent family	48.5	71.2	57.8	52.4	71.1	60.1	52.0	71.3	60.1
	Single-parent family	46.6	25.4	38.0	41.7	25.6	35.0	41.8	25.5	35.0
	No-parent family	4.9	3.3	4.3	5.9	3.3	4.8	6.2	3.2	4.9
	Related nonparent caretaker	1.7	3.3	2.4	2.8	3.3	3.0	2.6	3.2	2.9
	Unrelated nonparent caretaker	3.2	0.0	1.9	3.1	0.0	1.8	3.6	0.0	2.1
Military status of household members	Ever served in U.S. military	4.1	7.2	5.4	5.2	9.0	6.8	4.0	7.9	5.7
	Serving in U.S. military in 2022 <sup>d</sup>	1.2	1.6	1.3	0.4	0.9	0.6	0.7	1.5	1.0
Number of people in household	2	6.0	3.2	4.9	4.7	1.9	3.5	5.9	2.5	4.5
	3	15.8	12.9	14.6	15.5	15.0	15.3	15.8	17.2	16.4
	4	26.4	32.0	28.7	26.5	27.5	26.9	26.4	29.5	27.7
	5	23.0	23.8	23.3	20.8	28.7	24.1	23.9	24.6	24.2
	6 or more	28.8	28.2	28.6	32.6	26.8	30.2	28.0	26.1	27.2
Percent with working parent(s)		65.5	88.5	74.8	70.7	93.4	80.1	68.0	88.5	76.6

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 <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	Family Income ≤ 185 Percent of FPG <sup>a</sup>	Adjunctively Income-Eligible > 185 Percent of FPG <sup>b</sup>	Total	
Annual family income relative to FPG	No income	8.8	0.0	5.2	7.1	0.0	4.2	8.7	0.0	5.0
	Up to 50 percent of FPG	14.4	0.0	8.5	10.4	0.0	6.1	12.7	0.0	7.4
	More than 50 percent up to 100 percent of FPG	24.3	0.0	14.4	25.9	0.0	15.2	24.5	0.0	14.2
	More than 100 percent up to 130 percent of FPG	20.9	0.0	12.4	17.9	0.0	10.5	19.0	0.0	11.1
	More than 130 percent up to 150 percent of FPG	10.6	0.0	6.3	14.1	0.0	8.3	12.3	0.0	7.1
	More than 150 percent up to 185 percent of FPG	21.0	0.0	12.5	24.6	0.0	14.4	22.7	0.0	13.2
	More than 185 percent up to 200 percent of FPG	0.0	12.9	5.2	0.0	8.8	3.6	0.0	10.4	4.3
	More than 200 percent of FPG	0.0	87.1	35.4	0.0	91.2	37.7	0.0	89.6	37.6
Receipt of other benefits	No benefit receipt	15.5	0.0	9.2	15.3	0.0	8.9	16.3	0.0	9.4
	Medicaid, SNAP, and TANF	5.3	0.5	3.3	5.1	1.2	3.5	4.7	0.8	3.1
	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	45.5	28.7	38.6	46.8	28.9	39.4	45.6	30.2	39.1
	Medicaid and TANF only	0.4	0.9	0.6	0.3	1.1	0.6	0.2	0.6	0.4
	SNAP only	4.0	11.7	7.1	4.7	13.1	8.2	4.2	11.6	7.3
	TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Medicaid only	29.4	58.3	41.1	27.9	55.7	39.4	29.0	56.8	40.6

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>d</sup> 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, Total WIC Eligibility, and WIC Eligibility Rates by Participant Category: CY 2021–CY 2022**

Participant Category		2021	2022	Percent Change 2021–2022
Total population	Infants	3,667,986	3,672,318	0.1
	Children	15,034,195	14,837,992	-1.3*
	1-year-old children	3,619,907	3,667,605	1.3
	2-year-old children	3,753,874	3,619,676	-3.6*
	3-year-old children	3,797,804	3,753,387	-1.2
	4-year-old children	3,862,609	3,797,324	-1.7
	Pregnant women	2,836,373	2,851,339	0.5*
	Postpartum women	3,914,112	3,907,642	-0.2
	Breastfeeding women	1,913,230	1,977,449	3.4*
	Non-breastfeeding women	2,000,882	1,930,192	-3.5*
	<b>Total</b>	<b>25,452,666</b>	<b>25,269,292</b>	<b>-0.7*</b>
Number eligible	Infants	1,846,394	1,830,448	-0.9
	Children	7,851,014	7,523,916	-4.2*
	1-year-old children	1,852,884	1,852,300	0.0
	2-year-old children	2,051,553	1,909,244	-6.9*
	3-year-old children	1,932,072	1,864,052	-3.5
	4-year-old children	2,014,506	1,898,321	-5.8
	Pregnant women	1,128,406	1,124,940	-0.3
	Postpartum women	1,305,482	1,313,719	0.6
	Breastfeeding women	796,911	822,967	3.3
	Non-breastfeeding women	508,571	490,752	-3.5
	<b>Total</b>	<b>12,131,296</b>	<b>11,793,023</b>	<b>-2.8*</b>
Eligibility rate	Infants	50.3	49.8	-1.0
	Children	52.2	50.7	-2.9*
	1-year-old children	51.2	50.5	-1.3
	2-year-old children	54.7	52.7	-3.5
	3-year-old children	50.9	49.7	-2.4
	4-year-old children	52.2	50.0	-4.1
	Pregnant women	39.8	39.5	-0.8
	Postpartum women	33.4	33.6	0.8
	Breastfeeding women	41.7	41.6	-0.1
	Non-breastfeeding women	25.4	25.4	0.0
	<b>Total</b>	<b>47.7</b>	<b>46.7</b>	<b>-2.1</b>

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 2021 and 2022 estimates of individuals eligible for WIC or WIC eligibility rate at the 95 percent confidence level. The statistical significance testing was conducted on the 2021–2022 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 2021–CY 2022**

	Step	Infants	Children	Total
2021	<b>Total number of individuals in the March CPS ASEC</b>	<b>3,418,945</b>	<b>15,120,444</b>	<b>18,539,389</b>
	Number (non-U.S. territory) after adjustment for CPS ASEC undercount/overcount	3,643,654	14,923,940	18,567,595
	Number with annual income <= 185 percent of FPG	1,070,123	4,622,992	5,693,115
	Number with adjunctive income eligibility	698,975	3,136,936	3,835,911
	Through SNAP	291,118	1,299,462	1,590,580
	Through TANF	9,588	24,368	33,955
	Through Medicaid	398,270	1,813,106	2,211,376
	Number before monthly income adjustment	1,769,098	7,759,928	9,529,026
	Number after monthly income adjustment	1,825,015	7,759,928	9,584,943
	<b>Total number of eligible individuals</b>	<b>1,825,015</b>	<b>7,759,928</b>	<b>9,584,943</b>
2022	<b>Total number of individuals in the March CPS ASEC</b>	<b>3,464,722</b>	<b>15,008,530</b>	<b>18,473,252</b>
	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
	<b>Total number of eligible individuals</b>	<b>1,807,733</b>	<b>7,438,512</b>	<b>9,246,246</b>
Percent change 2021–2022	<b>Total number of individuals in the March CPS ASEC</b>	<b>1.3</b>	<b>-0.7</b>	<b>-0.4</b>
	Number (non-U.S. territory) after adjustment for CPS ASEC undercount/overcount	0.1	-1.3	-1.0
	Number with annual income < 185 percent of FPG	-3.8	-6.6	-6.0
	Number with adjunctive income eligibility	2.4	-0.6	0.0
	Through SNAP	2.8	2.3	2.4
	Through TANF	-66.7	-19.1	-32.5
	Through Medicaid	3.8	-2.4	-1.3
	Number before monthly income adjustment	-1.4	-4.1	-3.6
	Number after monthly income adjustment	-0.9	-4.1	-3.5
<b>Total number of eligible individuals</b>	<b>-0.9</b>	<b>-4.1</b>	<b>-3.5</b>	

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 Error and Coefficient of Variation for Estimates by Participant Category: CY 2022**

Participant Category	Estimate		Standard Error		Coefficient of Variation (Percent)	
	Total Population	Eligible for WIC	Total Population	Eligible for WIC	Total Population	Eligible for WIC
Infants	3,666,448	1,825,438	54,352	67,589	1.5	3.7
Children	14,814,469	7,505,312	47,895	109,715	0.3	1.5
1-year-old children	3,661,744	1,847,664	48,120	60,467	1.3	3.3
2-year-old children	3,613,820	1,904,612	50,300	50,543	1.4	2.7
3-year-old children	3,747,500	1,859,396	50,405	56,172	1.3	3.0
4-year-old children	3,791,405	1,893,640	54,158	56,872	1.4	3.0
Pregnant women	2,846,958	1,121,537	1,782	12,441	0.1	1.1
Postpartum breastfeeding women	1,974,256	820,688	27,371	30,170	1.4	3.7
Postpartum non-breastfeeding women	1,927,544	489,597	31,209	18,338	1.6	3.7
<b>Total</b>	<b>25,229,675</b>	<b>11,762,572</b>	<b>64,834</b>	<b>165,003</b>	<b>0.3</b>	<b>1.4</b>

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 2022

This appendix presents detailed estimates of individuals eligible for WIC and coverage rates by FNS Region and State for 2022, including comparisons over time in coverage rates by race and Hispanic ethnicity and by participant category.

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

Several external factors and WIC policy changes influenced WIC program operations in 2022. These changes may influence the estimates and trends presented in this report. For example:

- In June 2021, the American Rescue Plan Act temporarily increased the monthly CVB issued to WIC participants for the purchase of fruits and vegetables. This increase was later extended, with the benefit amounts further increasing for women and children throughout calendar year 2022.
- In February 2022, an infant formula recall led to a national formula shortage. Combined with pandemic-related supply chain issues, the formula shortage continued through the summer months, leading to shifts in how infants were fed across the Nation through the remainder of 2022 and continuing into 2023 (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.
- 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. Some WIC clinics began shifting back to pre-COVID policies while others continued to waive physical presence requirements and issued benefits remotely. The impact of WIC waivers may have varied across State agencies with different policies. For example, State agencies using offline EBT technology may have been disadvantaged in comparison with State agencies with online EBT systems because they could not easily issue benefits remotely.

A list of the seven FNS Regions and the State agencies included in each FNS Region in 2022 follows. Participants from the Tribal Organizations are included in the estimates for the FNS Region and geographic State associated with the Tribal Organization.

### **FNS Regions and the State Agencies Within Each Region in CY 2022**

<b>Northeast</b>	
<ul style="list-style-type: none"> <li>▪ Connecticut</li> <li>▪ Indian Township Passamaquoddy Reservation</li> <li>▪ Maine</li> <li>▪ Massachusetts</li> <li>▪ New Hampshire</li> </ul>	<ul style="list-style-type: none"> <li>▪ New York</li> <li>▪ Pleasant Point Passamaquoddy Reservation</li> <li>▪ Rhode Island</li> <li>▪ U.S. Virgin Islands</li> <li>▪ Vermont</li> </ul>
<b>Mid-Atlantic</b>	
<ul style="list-style-type: none"> <li>▪ Delaware</li> <li>▪ District of Columbia</li> <li>▪ Maryland</li> <li>▪ New Jersey</li> </ul>	<ul style="list-style-type: none"> <li>▪ Pennsylvania</li> <li>▪ Puerto Rico</li> <li>▪ Virginia</li> <li>▪ West Virginia</li> </ul>

<b>Midwest</b>	
<ul style="list-style-type: none"> <li>▪ Illinois</li> <li>▪ Indiana</li> <li>▪ Iowa</li> <li>▪ Michigan</li> </ul>	<ul style="list-style-type: none"> <li>▪ Minnesota</li> <li>▪ Ohio</li> <li>▪ Wisconsin</li> </ul>
<b>Mountain Plains</b>	
<ul style="list-style-type: none"> <li>▪ Cheyenne River Sioux Tribe</li> <li>▪ Colorado</li> <li>▪ Eastern Shoshone Tribe</li> <li>▪ Kansas</li> <li>▪ Missouri</li> <li>▪ Montana</li> <li>▪ Nebraska</li> <li>▪ North Dakota</li> <li>▪ Northern Arapaho Tribe</li> </ul>	<ul style="list-style-type: none"> <li>▪ Omaha Nation</li> <li>▪ Rosebud Sioux Tribe</li> <li>▪ Santee Sioux Nation</li> <li>▪ South Dakota</li> <li>▪ Standing Rock Sioux Tribe</li> <li>▪ Three Affiliated Tribes</li> <li>▪ Ute Mountain Ute Tribe</li> <li>▪ Winnebago Tribe</li> <li>▪ Wyoming</li> </ul>
<b>Southeast</b>	
<ul style="list-style-type: none"> <li>▪ Alabama</li> <li>▪ Eastern Band of Cherokee Indians</li> <li>▪ Florida</li> <li>▪ Georgia</li> <li>▪ Kentucky</li> </ul>	<ul style="list-style-type: none"> <li>▪ Mississippi</li> <li>▪ Mississippi Band of Choctaw Indians</li> <li>▪ North Carolina</li> <li>▪ South Carolina</li> <li>▪ Tennessee</li> </ul>
<b>Southwest</b>	
<ul style="list-style-type: none"> <li>▪ Acoma, Canoncito, Laguna</li> <li>▪ Arizona</li> <li>▪ Arkansas</li> <li>▪ Cherokee Nation</li> <li>▪ Chickasaw Nation</li> <li>▪ Choctaw Nation</li> <li>▪ Citizen Potawatomi Nation</li> <li>▪ Eight Northern Indian Pueblos Council</li> <li>▪ Five Sandoval Indian Pueblos</li> <li>▪ Inter Tribal Council of Arizona</li> <li>▪ Inter-Tribal Council of Oklahoma</li> <li>▪ Louisiana</li> <li>▪ Muscogee Creek Nation</li> </ul>	<ul style="list-style-type: none"> <li>▪ Navajo Nation</li> <li>▪ New Mexico</li> <li>▪ Oklahoma</li> <li>▪ Osage Nation</li> <li>▪ Otoe-Missouria Tribe</li> <li>▪ Pueblo of Isleta</li> <li>▪ Pueblo of San Felipe</li> <li>▪ Pueblo of Zuni</li> <li>▪ Santo Domingo Pueblo</li> <li>▪ Texas</li> <li>▪ Utah</li> <li>▪ Wichita, Caddo, Delaware</li> </ul>
<b>Western</b>	
<ul style="list-style-type: none"> <li>▪ Alaska</li> <li>▪ American Samoa</li> <li>▪ California</li> <li>▪ Guam</li> <li>▪ Hawaii</li> <li>▪ Idaho</li> </ul>	<ul style="list-style-type: none"> <li>▪ Inter-Tribal Council of Nevada</li> <li>▪ Nevada</li> <li>▪ Northern Mariana Islands</li> <li>▪ Oregon</li> <li>▪ Washington</li> </ul>

*Table D.1. WIC Eligibility, Participants, and Coverage Rates by State and FNS Region: CY 2022*

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. WIC Eligibility, Participants, and Coverage Rates by FNS Region and States in Each Region: CY 2022*

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. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2022*

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. WIC Eligibility Standard Errors by State and FNS Region: CY 2022*

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. WIC Eligibility Standard Errors by FNS Region and States in Each Region: CY 2022*

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 for WIC Eligibility by FNS Region and Participant Category: CY 2022*

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 2022*

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: CY 2022*

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 (U.S. Census Bureau, n.d.-a, IPUMS-USA, n.d.). 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 Rates by State: CY 2016–CY 2022*

This series of tables shows WIC coverage rates and the associated coefficients of variation by State and year for CY 2016–CY 2022. 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 Rates by State and Participant Category With Coefficients of Variation: CY 2022*

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

*Table D.11. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity With Coefficients of Variation: CY 2022*

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 Rates for Children by Race and Hispanic Ethnicity: CY 2022*

This table shows the State-level coverage rates for children by race and Hispanic ethnicity.<sup>8</sup>

**Table D.1. WIC Eligibility, Participants, and Coverage Rates by State and FNS Region: CY 2022**

	State/FNS Region	Number Eligible	Number Participating	Coverage Rate
State	Alabama	218,880	109,119	49.9*
	Alaska	25,519	13,582	53.2
	Arizona	260,408	142,677	54.8
	Arkansas	142,499	57,585	40.4*
	California	1,352,155	942,039	69.7*
	Colorado	169,952	79,228	46.6*
	Connecticut	100,093	47,268	47.2*
	Delaware	31,893	18,023	56.5
	District of Columbia	23,290	10,879	46.7*
	Florida	787,925	414,550	52.6
	Georgia	453,902	184,213	40.6*
	Hawaii	43,167	26,241	60.8*
	Idaho	64,878	29,339	45.2*
	Illinois	400,911	157,999	39.4*
	Indiana	248,300	148,457	59.8*

<sup>8</sup> 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
State (continued)	Iowa	103,440	56,629	54.7
	Kansas	95,463	44,257	46.4*
	Kentucky	176,512	110,486	62.6*
	Louisiana	229,856	84,553	36.8*
	Maine	29,613	17,071	57.6
	Maryland	205,876	120,031	58.3*
	Massachusetts	180,486	117,552	65.1*
	Michigan	328,082	201,879	61.5*
	Minnesota	154,351	101,359	65.7*
	Mississippi	145,142	66,328	45.7*
	Missouri	207,520	84,733	40.8*
	Montana	29,332	13,840	47.2*
	Nebraska	56,718	35,647	62.9*
	Nevada	110,673	52,017	47.0*
	New Hampshire	27,573	13,516	49.0
	New Jersey	284,356	150,077	52.8
	New Mexico	90,436	35,390	39.1*
	New York	674,655	394,909	58.5*
	North Carolina	407,418	260,882	64.0*
	North Dakota	18,970	10,198	53.8
	Ohio	393,069	162,278	41.3*
	Oklahoma	175,034	90,622	51.8
	Oregon	123,031	74,613	60.6*
	Pennsylvania	391,278	160,026	40.9*
	Puerto Rico	108,783	87,783	80.7*
	Rhode Island	29,976	16,258	54.2
	South Carolina	206,465	86,832	42.1*
	South Dakota	26,354	15,048	57.1
	Tennessee	266,425	116,549	43.7*
	Texas	1,341,056	712,515	53.1
	Utah	94,331	38,217	40.5*
	Vermont	15,397	11,172	72.6*
	Virginia	244,538	121,207	49.6*
	Washington	232,260	122,881	52.9
West Virginia	61,929	35,141	56.7	
Wisconsin	156,751	85,059	54.3	
Wyoming	15,651	7,092	45.3*	

State/FNS Region		Number Eligible	Number Participating	Coverage Rate
FNS Region	Northeast	1,064,348	620,324	58.3*
	Mid-Atlantic	1,351,944	703,167	52.0
	Southeast	2,662,668	1,348,959	50.7*
	Midwest	1,784,904	913,659	51.2*
	Southwest	2,333,619	1,161,559	49.8*
	Mountain Plains	619,960	290,043	46.8*
	Western	1,975,580	1,272,712	64.4*
	<b>Total</b>	<b>11,793,023</b>	<b>6,310,423</b>	<b>53.5</b>

Note: State and regional 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, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

**Table D.2. WIC Eligibility, Participants, and Coverage Rates by FNS Region and States in Each Region: CY 2022**

FNS Region and State	Number Eligible	Number Participating	Coverage Rate
<b>Northeast</b>	<b>1,064,348</b>	<b>620,324</b>	<b>58.3*</b>
Connecticut	100,093	47,268	47.2*
Maine	29,613	17,071	57.6
Massachusetts	180,486	117,552	65.1*
New Hampshire	27,573	13,516	49.0
New York	674,655	394,909	58.5*
Rhode Island	29,976	16,258	54.2
Vermont	15,397	11,172	72.6*
<b>Mid-Atlantic</b>	<b>1,351,944</b>	<b>703,167</b>	<b>52.0</b>
Delaware	31,893	18,023	56.5
District of Columbia	23,290	10,879	46.7*
Maryland	205,876	120,031	58.3*
New Jersey	284,356	150,077	52.8
Pennsylvania	391,278	160,026	40.9*
Puerto Rico	108,783	87,783	80.7*
Virginia	244,538	121,207	49.6*
West Virginia	61,929	35,141	56.7
<b>Southeast</b>	<b>2,662,668</b>	<b>1,348,959</b>	<b>50.7*</b>
Alabama	218,880	109,119	49.9*
Florida	787,925	414,550	52.6
Georgia	453,902	184,213	40.6*
Kentucky	1176,512	110,486	62.6*
Mississippi	145,142	66,328	45.7*
North Carolina	407,418	260,882	64.0*

FNS Region and State	Number Eligible	Number Participating	Coverage Rate
South Carolina	206,465	86,832	42.1*
Tennessee	266,425	116,549	43.7*
<b>Midwest</b>	<b>1,784,904</b>	<b>913,659</b>	<b>51.2*</b>
Illinois	400,911	157,999	39.4*
Indiana	248,300	148,457	59.8*
Iowa	103,440	56,629	54.7
Michigan	328,082	201,879	61.5*
Minnesota	154,351	101,359	65.7*
Ohio	393,069	162,278	41.3*
Wisconsin	156,751	85,059	54.3
<b>Southwest</b>	<b>2,333,619</b>	<b>1,161,559</b>	<b>49.8*</b>
Arizona	260,408	142,677	54.8
Arkansas	142,499	57,585	40.4*
Louisiana	229,856	84,553	36.8*
New Mexico	90,436	35,390	39.1*
Oklahoma	175,034	90,622	51.8
Texas	1,341,056	712,515	53.1
Utah	94,331	38,217	40.5*
<b>Mountain Plains</b>	<b>619,960</b>	<b>290,043</b>	<b>46.8*</b>
Colorado	169,952	79,228	46.6*
Kansas	95,463	44,257	46.4*
Missouri	207,520	84,733	40.8*
Montana	29,332	13,840	47.2*
Nebraska	56,718	35,647	62.9*
North Dakota	18,970	10,198	53.8
South Dakota	26,354	15,048	57.1
Wyoming	15,651	7,092	45.3*
<b>Western</b>	<b>1,975,580</b>	<b>1,272,712</b>	<b>64.4*</b>
Alaska	25,519	13,582	53.2
California	1,352,155	942,039	69.7*
Hawaii	43,167	26,241	60.8*
Idaho	64,878	29,339	45.2*
Nevada	110,673	52,017	47.0*
Oregon	123,031	74,613	60.6*
Washington	232,260	122,881	52.9
<b>Total</b>	<b>11,793,023</b>	<b>6,310,423</b>	<b>53.5</b>

Note: State and regional eligibility estimates and participant data include individuals in Indian Tribal Organizations who were eligible for WIC and/or receiving WIC. Estimates for the U.S. territories other than Puerto Rico are included in regional totals but not shown separately because of small sample sizes. Estimates for Puerto Rico are shown separately and included in the Mid-Atlantic 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, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

**Table D.3. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2022**

FNS Region		Infants	Children	Pregnant Women	Postpartum Women	Total
Number eligible	Northeast	165,925	672,796	102,076	123,550	1,064,348
	Mid-Atlantic	205,520	867,162	128,389	150,873	1,351,944
	Southeast	418,253	1,692,988	260,723	290,704	2,662,668
	Midwest	267,008	1,160,676	170,955	186,266	1,784,904
	Southwest	370,226	1,483,533	220,491	259,369	2,333,619
	Mountain Plains	94,274	397,016	59,957	68,713	619,960
	Western	309,242	1,249,745	182,348	234,245	1,975,580
	<b>Total</b>	<b>1,830,448</b>	<b>7,523,916</b>	<b>1,124,940</b>	<b>1,313,719</b>	<b>11,793,023</b>
Number participating	Northeast	131,620	357,731	45,454	85,519	620,324
	Mid-Atlantic	158,272	390,551	55,599	98,745	703,167
	Southeast	328,779	718,315	115,666	186,200	1,348,959
	Midwest	214,179	502,190	71,643	125,646	913,659
	Southwest	288,518	572,351	101,832	198,858	1,161,559
	Mountain Plains	68,217	156,254	23,983	41,589	290,043
	Western	245,407	759,901	98,460	168,945	1,272,712
	<b>Total</b>	<b>1,434,992</b>	<b>3,457,293</b>	<b>512,637</b>	<b>905,501</b>	<b>6,310,423</b>
Coverage rate	Northeast	79.3	53.2*	44.5	69.2	58.3*
	Mid-Atlantic	77.0	45.0	43.3*	65.4	52.0
	Southeast	78.6	42.4*	44.4	64.1	50.7*
	Midwest	80.2	43.3*	41.9*	67.5	51.2*
	Southwest	77.9	38.6*	46.2	76.7*	49.8*
	Mountain Plains	72.4	39.4*	40.0*	60.5*	46.8*
	Western	79.4	60.8*	54.0*	72.1	64.4*
	<b>Total</b>	<b>78.4</b>	<b>46.0</b>	<b>45.6</b>	<b>68.9</b>	<b>53.5</b>

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, 2023; 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 2022**

	State/FNS Region	Number Eligible	Standard Error	Coefficient of Variation (Percent)
State	Alabama	218,880	5,560	2.5
	Alaska	25,519	1,664	6.5
	Arizona	260,408	6,333	2.4
	Arkansas	142,499	4,140	2.9
	California	1,352,155	22,024	1.6
	Colorado	169,952	4,818	2.8
	Connecticut	100,093	2,808	2.8
	Delaware	31,893	1,862	5.8
	District of Columbia	23,290	1,558	6.7
	Florida	787,925	14,137	1.8
	Georgia	453,902	9,195	2.0
	Hawaii	43,167	2,045	4.7
	Idaho	64,878	2,650	4.1
	Illinois	400,911	8,693	2.2
	Indiana	248,300	5,501	2.2
	Iowa	103,440	3,751	3.6
	Kansas	95,463	3,219	3.4
	Kentucky	176,512	4,271	2.4
	Louisiana	229,856	5,531	2.4
	Maine	29,613	1,733	5.9
	Maryland	205,876	5,409	2.6
	Massachusetts	180,486	4,935	2.7
	Michigan	328,082	6,531	2.0
	Minnesota	154,351	5,666	3.7
	Mississippi	145,142	4,173	2.9
	Missouri	207,520	5,126	2.5
	Montana	29,332	1,947	6.6
	Nebraska	56,718	2,867	5.1
	Nevada	110,673	3,647	3.3
	New Hampshire	27,573	1,992	7.2
	New Jersey	284,356	7,040	2.5
	New Mexico	90,436	3,004	3.3
	New York	674,655	12,684	1.9
	North Carolina	407,418	8,110	2.0
North Dakota	18,970	1,752	9.2	
Ohio	393,069	7,741	2.0	
Oklahoma	175,034	4,714	2.7	
Oregon	123,031	3,732	3.0	
Pennsylvania	391,278	8,827	2.3	
Puerto Rico	108,783	2,720	2.5	
Rhode Island	29,976	1,723	5.7	

	State/FNS Region	Number Eligible	Standard Error	Coefficient of Variation (Percent)
State (continued)	South Carolina	206,465	5,033	2.4
	South Dakota	26,354	1,820	6.9
	Tennessee	266,425	5,753	2.2
	Texas	1,341,056	21,688	1.6
	Utah	94,331	3,732	4.0
	Vermont	15,397	1,339	8.7
	Virginia	244,538	5,882	2.4
	Washington	232,260	4,958	2.1
	West Virginia	61,929	2,399	3.9
	Wisconsin	156,751	4,924	3.1
	Wyoming	15,651	1,142	7.3
FNS Region	Northeast	1,057,794	18,094	1.7
	Mid-Atlantic	1,351,944	21,894	1.6
	Southeast	2,662,668	39,463	1.5
	Midwest	1,784,904	27,563	1.5
	Southwest	2,333,619	35,469	1.5
	Mountain Plains	619,960	11,768	1.9
	Western	1,951,683	30,416	1.6
	<b>Total</b>	<b>11,762,572</b>	<b>165,003</b>	<b>1.4</b>

Note: The coefficient of variation is defined as the ratio of the standard error to the eligibility estimate. State and regional eligibility estimates include individuals in 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. WIC Eligibility Standard Errors by FNS Region and States in Each Region: CY 2022**

FNS Region and State	Number Eligible	Standard Error	Coefficient of Variation (Percent)
<b>Northeast</b>	<b>1,057,794</b>	<b>18,094</b>	<b>1.7</b>
Connecticut	100,093	2,808	2.8
Maine	29,613	1,733	5.9
Massachusetts	180,486	4,935	2.7
New Hampshire	27,573	1,992	7.2
New York	674,655	12,684	1.9
Rhode Island	29,976	1,723	5.7
Vermont	15,397	1,339	8.7
<b>Mid-Atlantic</b>	<b>1,351,944</b>	<b>21,894</b>	<b>1.6</b>
Delaware	31,893	1,862	5.8
District of Columbia	23,290	1,558	6.7
Maryland	205,876	5,409	2.6
New Jersey	284,356	7,040	2.5
Pennsylvania	391,278	8,827	2.3
Puerto Rico	108,783	2,720	2.5
Virginia	244,538	5,882	2.4
West Virginia	61,929	2,399	3.9
<b>Southeast</b>	<b>2,662,668</b>	<b>39,463</b>	<b>1.5</b>
Alabama	218,880	5,560	2.5
Florida	787,925	14,137	1.8
Georgia	453,902	9,195	2.0
Kentucky	176,512	4,271	2.4
Mississippi	145,142	4,173	2.9
North Carolina	407,418	8,110	2.0
South Carolina	206,465	5,033	2.4
Tennessee	266,425	5,753	2.2
<b>Midwest</b>	<b>1,784,904</b>	<b>27,563</b>	<b>1.5</b>
Illinois	400,911	8,693	2.2
Indiana	248,300	5,501	2.2
Iowa	103,440	3,751	3.6
Michigan	328,082	6,531	2.0
Minnesota	154,351	5,666	3.7
Ohio	393,069	7,741	2.0
Wisconsin	156,751	4,924	3.1

FNS Region and State	Number Eligible	Standard Error	Coefficient of Variation (Percent)
<b>Southwest</b>	<b>2,333,619</b>	<b>35,469</b>	<b>1.5</b>
Arizona	260,408	6,333	2.4
Arkansas	142,499	4,140	2.9
Louisiana	229,856	5,531	2.4
New Mexico	90,436	3,004	3.3
Oklahoma	175,034	4,714	2.7
Texas	1,341,056	21,688	1.6
Utah	94,331	3,732	4.0
<b>Mountain Plains</b>	<b>619,960</b>	<b>11,768</b>	<b>1.9</b>
Colorado	169,952	4,818	2.8
Kansas	95,463	3,219	3.4
Missouri	207,520	5,126	2.5
Montana	29,332	1,947	6.6
Nebraska	56,718	2,867	5.1
North Dakota	18,970	1,752	9.2
South Dakota	26,354	1,820	6.9
Wyoming	15,651	1,142	7.3
<b>Western</b>	<b>1,951,683</b>	<b>30,416</b>	<b>1.6</b>
Alaska	25,519	1,664	6.5
California	1,352,155	22,024	1.6
Hawaii	43,167	2,045	4.7
Idaho	64,878	2,650	4.1
Nevada	110,673	3,647	3.3
Oregon	123,031	3,732	3.0
Washington	232,260	4,958	2.1
<b>Total</b>	<b>11,762,572</b>	<b>165,003</b>	<b>1.4</b>

Note: State and regional 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 2022**

FNS Region		Infants	Children	Pregnant Women	Postpartum Women	Total
Number eligible	Northeast	164,877	668,720	101,365	122,832	1,057,794
	Mid-Atlantic	205,520	867,162	128,389	150,873	1,351,944
	Southeast	418,253	1,692,988	260,723	290,704	2,662,668
	Midwest	267,008	1,160,676	170,955	186,266	1,784,904
	Southwest	370,226	1,483,533	220,491	259,369	2,333,619
	Mountain Plains	94,274	397,016	59,957	68,713	619,960
	Western	305,280	1,235,216	179,657	231,529	1,951,683
	<b>Total</b>	<b>1,825,438</b>	<b>7,505,312</b>	<b>1,121,537</b>	<b>1,310,285</b>	<b>11,762,572</b>
Standard error	Northeast	7,298	11,389	2,649	5,420	18,094
	Mid-Atlantic	8,849	14,679	3,141	6,468	21,894
	Southeast	16,465	25,908	4,500	11,435	39,463
	Midwest	10,869	18,718	3,395	7,576	27,563
	Southwest	15,030	23,435	4,427	10,520	35,469
	Mountain Plains	4,519	7,401	1,899	3,295	11,768
	Western	12,335	19,612	3,556	9,307	30,416
	<b>Total</b>	<b>67,589</b>	<b>109,715</b>	<b>12,441</b>	<b>48,416</b>	<b>165,003</b>
Coefficient of variation (percent)	Northeast	4.4	1.7	2.6	4.4	1.7
	Mid-Atlantic	4.3	1.7	2.4	4.3	1.6
	Southeast	3.9	1.5	1.7	3.9	1.5
	Midwest	4.1	1.6	2.0	4.1	1.5
	Southwest	4.1	1.6	2.0	4.1	1.5
	Mountain Plains	4.8	1.9	3.2	4.8	1.9
	Western	4.0	1.6	2.0	4.0	1.6
	<b>Total</b>	<b>3.7</b>	<b>1.5</b>	<b>1.1</b>	<b>3.7</b>	<b>1.4</b>

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 2022**

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
<b>Total number of infants/children in PRCS</b>	<b>17,547</b>	<b>81,884</b>	<b>16,695</b>	<b>20,780</b>	<b>20,983</b>	<b>23,426</b>	-	-	-	<b>99,431</b>
Number after adjustment for PRCS undercount/ overcount	19,338	80,220	18,239	19,697	21,053	21,231	-	-	-	99,558
Number with annual income <= 185 percent of FPG	15,166	60,382	13,031	14,798	16,160	16,392	-	-	-	75,548
Number adjunctively income-eligible and with annual income > 185 percent of FPG <sup>a</sup>	2,207	6,417	1,087	2,196	1,462	1,672	-	-	-	8,624
Through NAP	1,300	4,641	821	1,486	1,300	1,034	-	-	-	5,940
Through TANF	59	133	0	133	0	0	-	-	-	193
Through Medicaid	848	1,643	266	577	163	637	-	-	-	2,491
Total number income and adjunctively income-eligible	17,373	66,799	14,119	16,995	17,622	18,064	-	-	-	84,172
Number after adjustment for monthly income and certification periods	17,705	66,799	14,119	16,995	17,622	18,064	-	-	-	84,504
<b>Total number eligible: Number after adjustment for nutritional risk (infants and children)</b>	<b>17,705</b>	<b>66,799</b>	<b>14,119</b>	<b>16,995</b>	<b>17,622</b>	<b>18,064</b>	-	-	-	<b>84,504</b>
Starting point for estimates of pregnant and postpartum women	-	-	-	-	-	-	17,705	17,705	17,705	53,114
Number after adjustment for length of pregnancy and income of woman during pregnancy	-	-	-	-	-	-	12,084	-	-	12,084
Number after adjustment for multiple births and infant deaths	-	-	-	-	-	-	12,084	17,705	17,705	47,493

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
Number after adjustment for breastfeeding	–	–	–	–	–	–	–	8,095	4,100	12,195
<b>Total number eligible: Number after adjustment for nutritional risk (pregnant and postpartum women)</b>	–	–	–	–	–	–	<b>12,084</b>	<b>8,095</b>	<b>4,100</b>	<b>24,279</b>
<b>Total number eligible in Puerto Rico</b>	<b>17,705</b>	<b>66,799</b>	<b>14,119</b>	<b>16,995</b>	<b>17,622</b>	<b>18,064</b>	<b>12,084</b>	<b>8,095</b>	<b>4,100</b>	<b>108,783</b>

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

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

– denotes blank cells

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 2022**

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
<b>Total number of infants/children in the other U.S. territories</b>	5,870	23,523	5,861	5,856	5,887	5,919	–	–	–	29,393
Number after other territories' full-eligibility factor	4,916	18,604	4,635	4,631	4,656	4,681	–	–	–	23,520
Number after monthly income adjustment	5,010	18,604	4,635	4,631	4,656	4,681	–	–	–	23,614
<b>Total number eligible: Number after adjustment for nutritional risk (infants and children)</b>	<b>5,010</b>	<b>18,604</b>	<b>4,635</b>	<b>4,631</b>	<b>4,656</b>	<b>4,681</b>	–	–	–	<b>23,614</b>
Starting point for estimates of pregnant and postpartum women	–	–	–	–	–	–	5,010	5,010	5,010	15,030
Number after adjustment for length of pregnancy and income of woman during pregnancy	–	–	–	–	–	–	3,419	–	–	3,419
Number after adjustment for multiple births and infant deaths	–	–	–	–	–	–	3,403	4,986	4,986	13,374
Number after adjustment for breastfeeding	–	–	–	–	–	–	–	2,280	1,155	3,434
<b>Total number eligible: Number after adjustment for nutritional risk (pregnant and postpartum women)</b>	–	–	–	–	–	–	<b>3,403</b>	<b>2,280</b>	<b>1,155</b>	<b>6,837</b>
<b>Total number eligible in U.S. territories other than Puerto Rico</b>	<b>5,010</b>	<b>18,604</b>	<b>4,635</b>	<b>4,631</b>	<b>4,656</b>	<b>4,681</b>	<b>3,403</b>	<b>2,280</b>	<b>1,155</b>	<b>30,451</b>
<b>Total eligibility for Puerto Rico and other U.S. territories</b>	<b>22,715</b>	<b>85,404</b>	<b>18,754</b>	<b>21,626</b>	<b>22,278</b>	<b>22,745</b>	<b>15,486</b>	<b>10,374</b>	<b>5,255</b>	<b>139,234</b>

CY = calendar year

– denotes blank cells

Source: 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 2022**

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
<b>Total</b>		<b>168,927</b>	<b>768,834</b>	<b>937,761</b>	<b>145,739</b>	<b>770,613</b>	<b>916,352</b>	<b>414,810</b>	<b>1,628,638</b>	<b>2,043,448</b>	<b>259,152</b>	<b>1,016,450</b>	<b>1,275,602</b>
Sex	Male	42.3	57.9	55.1	51.9	53.8	53.5	50.4	51.6	51.3	57.7	51.3	52.6
	Female	57.7	42.1	44.9	48.1	46.2	46.5	49.6	48.4	48.7	42.3	48.7	47.4
Race	Black	22.7	25.5	25.0	34.0	28.1	29.1	40.2	40.9	40.7	12.2	26.6	23.7
	White	61.0	54.4	55.6	58.0	62.4	61.7	49.4	51.9	51.4	72.1	63.9	65.6
	Another race <sup>a</sup>	16.2	20.0	19.3	8.0	9.5	9.3	10.5	7.2	7.8	15.7	9.5	10.7
Hispanic ethnicity	Hispanic/Latino	43.9	31.9	34.1	27.0	30.4	29.9	24.6	22.9	23.3	19.4	20.6	20.3
	Not Hispanic/Latino	56.1	68.1	65.9	73.0	69.6	70.1	75.4	77.1	76.7	80.6	79.4	79.7
Living arrangement	Two-parent family	67.6	60.6	61.9	61.5	59.6	59.9	60.5	55.0	56.1	70.5	64.6	65.8
	Single parent family	29.7	34.8	33.8	35.3	35.7	35.7	32.3	39.7	38.2	24.8	31.3	30.0
	No parent family	2.7	4.6	4.3	3.2	4.6	4.4	7.3	5.3	5.7	4.7	4.1	4.2
	Related nonparent caretaker	2.7	3.3	3.2	2.4	2.6	2.5	4.1	3.3	3.5	1.9	1.4	1.5
	Unrelated nonparent caretaker	0.0	1.3	1.1	0.9	2.0	1.9	3.1	1.9	2.2	2.8	2.7	2.7
Military status of household members	Ever served in U.S. military	0.2	3.3	2.8	1.7	6.8	6.0	9.2	8.7	8.8	5.0	2.3	2.9
	Serving in U.S. military in 2022 <sup>b</sup>	2.9	0.8	1.2	5.4	0.9	1.6	5.0	0.9	1.8	0.0	0.4	0.3
Number of individuals in household	2	6.7	6.0	6.1	1.5	5.4	4.7	4.5	5.8	5.5	9.1	4.1	5.1
	3	24.1	15.5	17.1	36.5	18.4	21.3	21.0	19.4	19.8	25.0	14.7	16.8
	4	11.2	29.1	25.9	24.3	27.3	26.8	29.4	27.1	27.5	17.7	33.4	30.3
	5	26.5	25.9	26.0	15.6	25.9	24.3	23.6	22.5	22.8	22.9	22.7	22.7
	6 or more	31.5	23.4	24.9	22.2	23.0	22.9	21.4	25.2	24.4	25.2	25.1	25.1
Percent with working parent(s)		75.6	79.2	78.5	73.0	75.0	74.7	69.9	74.9	73.8	82.1	84.0	83.6

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
Annual family income relative to FPG	No income	4.7	5.3	5.2	4.9	4.1	4.2	5.6	5.9	5.8	4.9	4.1	4.2
	Up to 50 percent of FPG	9.8	6.8	7.3	15.3	7.8	9.0	6.2	7.6	7.3	13.1	6.3	7.7
	More than 50 percent up to 100 percent of FPG	11.9	12.9	12.7	11.3	13.4	13.1	18.6	15.8	16.3	11.4	11.6	11.6
	More than 100 percent up to 130 percent of FPG	3.8	6.2	5.8	8.0	11.9	11.3	10.5	12.6	12.2	14.7	12.6	13.0
	More than 130 percent up to 150 percent of FPG	7.6	4.1	4.8	3.5	4.6	4.5	6.5	9.7	9.1	11.4	9.9	10.2
	More than 150 percent up to 185 percent of FPG	15.6	14.1	14.4	6.2	16.5	14.8	15.7	13.2	13.7	13.0	13.5	13.4
	More than 185 percent up to 200 percent of FPG	4.7	4.6	4.6	0.6	5.6	4.8	2.6	3.8	3.5	8.6	5.6	6.2
	More than 200 percent of FPG	41.8	45.9	45.2	50.2	36.0	38.3	34.5	31.4	32.0	22.9	36.5	33.7
Receipt of other benefits	No benefit receipt	2.3	2.6	2.5	7.8	10.9	10.4	18.5	11.7	13.0	14.3	9.9	10.8
	Medicaid, SNAP and TANF	0.0	2.6	2.2	0.5	2.1	1.8	2.1	3.7	3.4	4.4	1.6	2.2
	SNAP and TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0
	Medicaid and SNAP only	44.4	52.0	50.6	39.6	46.0	45.0	32.3	34.8	34.3	28.7	46.3	42.7
	Medicaid and TANF only	0.0	0.4	0.3	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.4	0.4
	SNAP only	13.8	5.2	6.8	13.8	7.6	8.6	17.7	13.0	13.9	8.1	4.3	5.1
	TANF only	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.4	0.0	0.3
	Medicaid only	39.5	37.2	37.6	38.3	33.4	34.2	28.6	36.3	34.8	43.1	37.5	38.6

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

<sup>a</sup> 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.

<sup>b</sup> 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.8 (continued). Regional Estimates of the Average Monthly Numbers of Infants and Children Eligible for WIC by Demographic and Income Characteristics (Fully Adjusted Weights, Percentages): CY 2022**

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
<b>Total</b>		<b>343,482</b>	<b>1,244,854</b>	<b>1,588,336</b>	<b>134,689</b>	<b>527,070</b>	<b>661,759</b>	<b>340,934</b>	<b>1,482,054</b>	<b>1,822,988</b>	<b>1,807,733</b>	<b>7,438,512</b>	<b>9,246,246</b>
Sex	Male	38.0	49.7	47.2	58.2	48.0	50.1	48.4	49.5	49.3	48.7	51.4	50.9
	Female	62.0	50.3	52.8	41.8	52.0	49.9	51.6	50.5	50.7	51.3	48.6	49.1
Race	Black	21.3	20.4	20.6	13.9	12.7	12.9	5.9	9.8	9.1	22.0	24.4	23.9
	White	63.1	69.3	67.9	72.3	76.5	75.6	77.7	68.1	69.9	64.1	62.8	63.0
	Another race <sup>a</sup>	15.6	10.3	11.5	13.9	10.8	11.5	16.4	22.1	21.0	13.9	12.8	13.0
Hispanic ethnicity	Hispanic/Latino	46.7	52.0	50.8	27.3	26.6	26.7	67.2	53.4	55.9	38.3	35.5	36.0
	Not Hispanic/Latino	53.3	48.0	49.2	72.7	73.4	73.3	32.8	46.6	44.1	61.7	64.5	64.0
Living arrangement	Two-parent family	58.9	57.3	57.7	75.5	63.2	65.7	59.2	63.7	62.8	63.3	60.1	60.7
	Single-parent family	32.4	37.8	36.6	24.0	34.3	32.2	33.4	29.9	30.5	30.8	35.0	34.2
	No-parent family	8.6	4.9	5.7	0.5	2.4	2.0	7.4	6.5	6.6	5.9	4.9	5.1
	Related nonparent caretaker	1.5	3.3	2.9	0.0	1.3	1.1	3.7	3.5	3.6	2.6	2.9	2.8
	Unrelated nonparent caretaker	7.2	1.6	2.8	0.5	1.1	1.0	3.7	2.9	3.1	3.3	2.1	2.3
Military status of household members	Ever served in U.S. military	5.8	5.5	5.6	5.3	6.8	6.5	7.8	5.0	5.5	6.0	5.7	5.7
	Serving in U.S. military in 2022 <sup>b</sup>	1.1	0.8	0.9	2.2	0.6	1.0	0.4	2.1	1.8	2.3	1.0	1.3
Number of people in household	2	5.3	4.2	4.4	0.8	4.6	3.8	1.9	2.2	2.2	4.5	4.5	4.5
	3	26.7	14.2	16.9	24.9	13.6	15.9	25.9	16.3	18.1	25.4	16.4	18.1
	4	19.7	25.3	24.1	32.6	26.0	27.3	14.7	26.7	24.5	21.3	27.7	26.5
	5	25.3	29.7	28.8	21.8	21.4	21.4	24.2	21.7	22.1	23.4	24.2	24.1
	6 or more	22.9	26.6	25.8	20.0	34.5	31.5	33.3	33.1	33.1	25.4	27.2	26.9
Percent with working parent(s)		67.4	74.3	72.8	90.3	78.7	81.1	60.7	74.1	71.6	71.8	76.6	75.6

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
Annual family income relative to FPG	No income	9.2	4.2	5.3	0.5	3.7	3.0	5.2	6.3	6.1	5.6	5.0	5.1
	Up to 50 percent of FPG	11.6	9.5	10.0	4.3	4.8	4.7	7.3	7.3	7.3	9.3	7.4	7.8
	More than 50 percent up to 100 percent of FPG	17.1	18.9	18.5	15.8	18.1	17.6	8.4	10.2	9.9	13.9	14.2	14.2
	More than 100 percent up to 130 percent of FPG	13.6	12.1	12.4	10.3	13.7	13.0	6.3	8.6	8.1	10.1	11.1	10.9
	More than 130 percent up to 150 percent of FPG	7.0	6.6	6.7	0.3	5.3	4.3	6.9	6.3	6.4	6.8	7.1	7.1
	More than 150 percent up to 185 percent of FPG	9.5	12.8	12.1	21.2	18.5	19.0	14.2	9.3	10.2	13.5	13.2	13.3
	More than 185 percent up to 200 percent of FPG	1.0	3.9	3.3	7.7	4.5	5.2	5.8	3.7	4.1	4.2	4.3	4.3
	More than 200 percent of FPG	31.0	32.1	31.9	39.9	31.5	33.2	45.9	48.3	47.9	36.7	37.6	37.4
Receipt of other benefits	No benefit receipt	14.3	10.4	11.3	20.5	17.4	18.0	4.3	5.9	5.6	12.2	9.4	10.0
	Medicaid, SNAP and TANF	0.0	1.1	0.9	0.0	1.9	1.5	2.0	6.1	5.3	1.5	3.1	2.8
	SNAP and TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
	Medicaid and SNAP only	27.7	36.8	34.8	21.9	28.7	27.3	37.6	34.5	35.1	32.8	39.1	37.9
	Medicaid and TANF only	0.0	0.7	0.5	0.0	0.2	0.2	0.9	0.4	0.5	0.3	0.4	0.4
	SNAP only	13.1	6.3	7.8	12.0	4.3	5.9	7.2	6.0	6.2	12.4	7.3	8.3
	TANF only	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
	Medicaid only	44.9	44.7	44.8	45.7	47.5	47.1	48.1	47.2	47.3	40.5	40.6	40.6

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

<sup>a</sup> 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.

<sup>b</sup> 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 Rates for Total Eligible Individuals by State: CY 2016–CY 2022**

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
<b>Total</b>	<b>54.2</b>	<b>1.0</b>	<b>52.3</b>	<b>1.1</b>	<b>53.2</b>	<b>1.1</b>	<b>52.3</b>	<b>1.0</b>	<b>52.0</b>	<b>1.0</b>	<b>51.2</b>	<b>1.3</b>	<b>53.5</b>	<b>1.4</b>
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
North Carolina	52.7	1.6	52.0	1.7	52.5	1.8	51.9	1.8	59.3	1.6	61.7	2.5	64.0	2.0
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
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
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

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
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
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
Puerto Rico	84.5	2.3	83.4	1.8	85.8	2.1	85.1	1.8	90.4	3.0	88.4	2.4	80.7	2.5
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
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
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
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
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
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
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
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
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
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
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
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

Note: The estimates for CY 2016 through 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: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; FNS, 2023

**Table D.9b. WIC Coverage Rates for Infants by State: CY 2016–CY 2022**

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
<b>Total</b>	<b>85.7</b>	<b>3.0</b>	<b>82.7</b>	<b>3.0</b>	<b>84.4</b>	<b>2.9</b>	<b>83.7</b>	<b>2.8</b>	<b>82.6</b>	<b>2.8</b>	<b>78.1</b>	<b>3.8</b>	<b>78.5</b>	<b>3.7</b>
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
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
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
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	74.9	7.3
California	90.1	3.4	81.1	3.5	84.9	3.5	85.5	3.4	85.4	3.2	82.4	4.1	83.3	4.1
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
Connecticut	83.8	8.4	89.8	9.5	83.3	7.7	82.6	8.1	82.0	7.4	80.2	8.0	72.2	8.3
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
District of Columbia	†	†	95.3	15.8	82.5	18.3	†	†	†	†	90.3	19.5	66.5	17.1
Florida	83.9	4.0	82.7	3.8	84.3	3.7	84.7	3.8	85.2	3.9	75.4	4.6	79.2	4.6
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	5.3
Hawaii	93.8	10.0	78.4	10.8	90.9	10.5	95.7	10.3	79.8	9.0	86.0	12.5	76.6	12.1
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
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
Indiana	88.4	5.4	87.2	5.5	86.1	6.0	86.0	5.7	89.7	4.8	87.7	6.0	88.4	5.7
Iowa	66.6	7.3	75.1	7.5	91.9	7.0	84.1	7.6	84.5	6.6	83.1	8.5	81.0	8.6
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
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
Louisiana	96.5	5.9	92.5	5.5	83.5	5.9	83.1	5.6	84.8	5.3	73.6	6.5	70.8	6.5
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
Maryland	†	†	†	†	†	†	94.8	5.9	96.4	5.8	82.6	6.7	85.9	6.5
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
Michigan	88.7	4.7	90.9	5.2	97.3	4.8	96.8	4.9	95.1	4.6	86.0	5.6	90.8	5.6
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
Mississippi	92.8	6.0	†	†	†	†	96.0	6.0	97.7	5.6	77.2	7.4	76.7	7.0
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
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
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
Nevada	91.4	8.3	83.1	7.5	77.7	7.4	80.9	7.4	75.3	6.5	73.1	8.7	73.1	8.6
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
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
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
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
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
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
Ohio	†	†	†	†	97.4	4.3	96.4	4.5	99.0	4.5	80.9	5.7	68.4	5.3
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
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

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
Pennsylvania	93.7	4.8	89.2	4.9	88.2	5.2	84.2	5.3	71.9	4.7	66.1	5.9	63.2	6.3
Rhode Island	95.3	11.8	99.4	12.8	77.6	11.7	76.5	13.0	87.6	10.1	88.0	14.0	75.1	15.5
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
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
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
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
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
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
Virginia	85.7	5.6	81.7	6.1	79.7	5.7	80.0	5.7	77.9	5.6	79.5	6.4	80.5	6.4
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
West Virginia	89.1	9.9	82.0	7.7	81.7	7.6	84.1	9.6	74.8	8.0	85.0	10.3	86.8	9.0
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
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

Note: The estimates for CY 2016 through 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: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; FNS, 2023

**Table D.9c. WIC Coverage Rates for Children by State: CY 2016–CY 2022**

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
<b>Total</b>	<b>43.5</b>	<b>1.2</b>	<b>41.8</b>	<b>1.2</b>	<b>42.6</b>	<b>1.2</b>	<b>41.7</b>	<b>1.2</b>	<b>42.6</b>	<b>1.1</b>	<b>43.2</b>	<b>1.4</b>	<b>45.9</b>	<b>1.5</b>
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
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
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
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
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
Colorado	34.2	2.7	35.7	2.8	39.0	2.6	41.4	2.7	39.5	2.4	39.0	2.9	40.5	2.7
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Minnesota	51.4	3.0	50.1	3.2	52.3	3.2	51.1	3.4	54.8	2.8	54.2	5.7	58.0	3.9
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
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
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
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
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
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
New Jersey	45.3	2.4	43.8	2.2	43.5	2.3	43.5	2.5	44.1	2.0	44.3	2.9	46.4	2.4
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
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
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
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
Ohio	34.5	1.8	33.6	1.9	33.5	1.7	31.1	2.0	28.1	1.7	27.1	3.3	32.7	2.0
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

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
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
Pennsylvania	40.1	2.1	39.7	2.1	41.4	2.2	39.3	1.9	37.9	1.8	33.6	2.9	34.2	2.1
Rhode Island	49.5	6.6	46.4	5.9	48.7	6.1	49.0	5.9	46.7	5.2	45.2	6.1	49.0	6.2
South Carolina	32.1	2.2	29.2	2.1	29.2	2.2	27.1	2.2	28.9	2.0	33.3	2.9	35.2	2.3
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
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
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
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
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
Virginia	36.5	2.5	34.4	2.5	34.9	2.5	35.8	2.4	36.4	2.1	41.3	4.4	42.3	2.4
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
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
Wisconsin	40.5	3.2	40.8	2.8	44.6	2.8	43.1	3.1	45.5	2.4	45.1	4.2	47.6	3.0
Wyoming	42.7	9.0	37.9	7.0	39.5	7.0	40.7	8.2	39.3	7.0	37.1	8.1	40.1	7.0

Note: The estimates for CY 2016 through 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: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; FNS, 2023

**Table D.9d. WIC Coverage Rates for Pregnant Women by State: CY 2016–CY 2022**

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
<b>Total</b>	<b>55.0</b>	<b>0.8</b>	<b>54.0</b>	<b>0.9</b>	<b>53.0</b>	<b>0.8</b>	<b>51.2</b>	<b>0.7</b>	<b>46.2</b>	<b>0.7</b>	<b>43.7</b>	<b>0.9</b>	<b>45.6</b>	<b>1.1</b>
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
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
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
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
California	65.4	1.7	62.0	2.0	62.1	2.1	60.1	2.1	58.4	1.7	56.4	2.0	59.7	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Maryland	68.9	5.8	76.7	6.3	71.5	5.5	62.7	5.3	55.7	5.2	51.4	5.5	55.2	5.4
Massachusetts	54.4	5.1	52.3	5.1	53.0	5.9	52.1	5.4	48.1	4.3	45.6	5.6	47.5	5.8
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
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
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
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
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
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
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
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
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
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
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
Washington	55.2	4.3	48.3	4.3	46.8	4.4	43.3	4.9	39.6	4.4	39.6	5.1	46.5	4.7
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
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
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

Note: The estimates for CY 2016 through 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: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; FNS, 2023

**Table D.9e. WIC Coverage Rates for Postpartum Women by State: CY 2016–CY 2022**

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
<b>Total</b>	<b>72.2</b>	<b>3.0</b>	<b>69.0</b>	<b>3.0</b>	<b>69.9</b>	<b>2.8</b>	<b>69.3</b>	<b>2.8</b>	<b>69.2</b>	<b>2.8</b>	<b>67.2</b>	<b>3.7</b>	<b>69.0</b>	<b>3.7</b>
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
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
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
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
California	82.1	3.4	71.4	3.5	73.8	3.4	73.4	3.4	75.2	3.2	74.7	4.1	75.6	4.1
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
Connecticut	50.0	8.4	52.4	9.5	51.4	7.7	52.4	8.1	53.6	7.4	54.5	8.0	51.0	8.3
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
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
Florida	71.6	4.0	70.9	3.8	73.5	3.7	73.3	3.8	73.8	3.9	67.4	4.6	72.7	4.6
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
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
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
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
Indiana	73.9	5.4	75.5	5.5	75.3	6.0	75.3	5.7	79.5	4.8	78.2	6.0	79.3	5.7
Iowa	56.8	7.3	66.8	7.5	81.4	7.0	74.8	7.6	76.5	6.6	75.9	8.5	75.6	8.6
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
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
Louisiana	74.9	5.9	71.2	5.5	64.2	5.9	64.0	5.6	68.1	5.3	63.1	6.5	62.9	6.5
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
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
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
Michigan	60.0	4.7	61.2	5.2	66.9	4.8	66.6	4.9	66.6	4.6	62.1	5.6	68.1	5.6
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
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
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
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
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
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
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
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
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
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
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
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
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
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

State	2016		2017		2018		2019		2020		2021		2022	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
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
Pennsylvania	61.7	4.8	62.5	4.9	66.2	5.2	64.2	5.3	64.2	4.7	59.6	5.9	57.2	6.3
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
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
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
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
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
Utah	58.7	7.7	48.7	7.4	71.5	8.5	59.4	8.5	54.7	6.9	48.3	7.9	53.0	8.3
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
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
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
West Virginia	72.7	9.9	65.6	7.7	54.8	7.6	56.0	9.6	49.1	8.0	55.3	10.3	56.7	9.0
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
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

Note: The estimates for CY 2016 through 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: IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; FNS, 2023

**Table D.10. WIC Coverage Rates by State and Participant Category With Coefficients of Variation: CY 2022**

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 (%)
Alabama	83.2	6.9	40.4	2.3	58.4	5.7	48.9	5.3	34.0	6.1	21.3	5.2	50.7	5.8	56.2	6.9	49.9	2.5
Alaska	73.7	15.6	48.1	6.1	70.4	14.3	53.2	11.7	43.1	11.9	26.7	12.4	44.2	15.6	60.9	15.6	53.2	6.5
Arizona	77.3	6.2	49.6	2.3	72.4	5.2	52.8	4.5	47.7	5.0	27.1	4.8	40.2	5.1	64.0	6.2	54.8	2.4
Arkansas	74.9	7.3	29.1	2.8	43.7	7.8	29.3	6.3	25.0	6.3	18.1	6.4	41.3	6.5	55.3	7.3	40.4	2.9
California	83.3	4.1	66.6	1.6	96.5	3.8	67.8	3.3	68.5	3.5	36.1	3.5	59.7	2.1	75.6	4.1	69.7	1.6
Colorado	66.4	7.0	40.5	2.7	58.6	6.2	43.0	5.9	40.3	6.1	21.6	6.1	38.4	6.1	60.4	7.0	46.6	2.8
Connecticut	72.2	8.3	40.7	3.2	58.8	9.4	40.6	7.5	39.2	8.8	24.7	7.5	45.4	7.5	51.0	8.3	47.2	2.8
Delaware	91.8	18.2	47.6	6.1	58.4	16.4	56.9	14.5	42.9	13.1	28.6	12.9	48.1	18.2	70.5	18.2	56.5	5.8
District of Columbia	66.5	17.1	39.9	7.7	47.7	26.7	53.0	24.4	31.9	16.4	28.5	21.6	33.1	16.7	62.5	17.0	46.7	6.7
Florida	79.2	4.6	43.7	1.8	61.0	4.4	48.8	3.6	40.9	4.0	23.8	4.0	45.9	3.0	72.7	4.6	52.6	1.8
Georgia	66.9	5.3	33.0	2.0	41.4	5.1	39.4	4.2	33.4	4.9	16.7	5.1	35.8	3.9	52.4	5.2	40.6	2.0
Hawaii	76.6	12.1	56.8	5.4	86.9	12.0	63.4	10.3	52.7	10.4	30.9	10.2	51.6	11.9	66.6	12.1	60.8	4.7
Idaho	69.2	9.7	39.0	3.6	60.7	8.7	39.8	8.5	34.8	8.7	21.9	8.9	33.7	9.1	62.0	9.7	45.2	4.1
Illinois	72.0	5.6	30.1	2.2	41.6	5.0	29.6	4.8	26.1	4.6	23.5	4.4	37.6	4.2	52.9	5.6	39.4	2.2
Indiana	88.4	5.7	52.3	2.5	67.4	5.8	56.3	5.2	53.6	5.3	31.2	5.3	42.9	4.3	79.3	5.7	59.8	2.2
Iowa	81.0	8.6	47.2	3.4	66.2	8.5	54.1	6.9	45.4	7.3	24.2	6.6	41.5	7.6	75.6	8.6	54.7	3.6
Kansas	69.6	8.2	40.0	3.4	57.6	7.8	46.2	7.7	37.3	7.1	20.5	8.8	41.3	7.4	56.0	8.2	46.4	3.4
Kentucky	95.3	6.4	55.4	2.7	82.8	6.7	64.0	5.4	50.1	5.5	26.8	5.6	51.4	5.1	69.5	6.4	62.6	2.4
Louisiana	70.8	6.5	24.0	2.5	37.1	6.5	24.8	5.6	21.5	5.7	11.1	5.6	34.9	5.5	62.9	6.5	36.8	2.4
Maine	89.9	12.1	50.9	6.0	69.6	12.0	60.9	15.4	46.3	11.0	31.8	10.2	44.8	11.3	69.9	12.0	57.6	5.9
Maryland	85.9	6.5	49.5	2.8	62.8	6.7	61.2	6.8	45.6	6.3	28.2	6.0	55.2	5.4	72.0	6.5	58.3	2.6
Massachusetts	75.8	6.8	64.9	2.7	†	†	64.4	6.1	61.8	6.4	35.9	6.4	47.5	5.8	66.7	6.8	65.1	2.7
Michigan	90.8	5.6	54.9	2.1	72.7	5.1	62.9	4.9	56.4	5.1	28.3	4.6	53.7	4.4	68.1	5.6	61.5	2.0
Minnesota	94.9	8.1	58.0	3.9	68.8	8.4	63.3	8.5	60.4	6.8	38.6	7.5	55.8	7.0	82.6	8.1	65.7	3.7
Mississippi	76.7	7.0	37.8	2.7	49.0	7.5	42.6	6.2	38.5	7.2	20.0	6.4	31.6	6.1	57.2	7.0	45.7	2.9
Missouri	75.3	6.4	30.0	2.5	45.0	5.4	29.9	5.6	28.9	6.0	16.2	5.8	40.4	5.1	59.3	6.3	40.8	2.5
Montana	70.7	14.4	42.1	5.3	78.0	12.0	45.2	10.1	35.2	10.4	20.9	12.7	38.8	14.1	53.9	14.4	47.2	6.6
Nebraska	86.3	12.3	57.3	5.1	81.6	11.7	68.8	11.1	56.1	11.2	28.7	9.3	45.4	11.2	77.9	12.3	62.9	5.1

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 (%)
Nevada	73.1	8.6	39.5	3.6	53.6	7.1	42.3	6.4	38.0	8.1	23.9	7.7	35.7	7.8	65.9	8.5	47.0	3.3
New Hampshire	62.4	15.7	47.6	6.6	61.7	13.0	62.5	12.5	42.7	12.5	28.1	13.6	33.2	14.9	54.3	15.7	49.0	7.2
New Jersey	74.4	6.6	46.4	2.4	67.9	5.7	51.8	5.3	44.2	5.2	23.6	5.0	40.8	5.4	70.0	6.6	52.8	2.5
New Mexico	62.6	8.5	30.9	3.8	55.0	9.2	28.2	8.0	23.2	8.3	19.6	9.5	38.5	7.7	53.7	8.5	39.1	3.3
New York	81.8	5.0	52.4	1.9	72.1	4.9	58.0	3.7	50.3	4.2	30.1	3.8	44.2	3.5	73.1	5.0	58.5	1.9
North Carolina	88.5	5.1	57.4	2.1	77.8	5.5	70.5	4.3	52.8	4.7	28.6	4.4	54.4	3.7	74.1	5.1	64.0	2.0
North Dakota	71.7	19.5	50.5	8.6	80.2	18.8	58.2	15.6	43.9	15.1	25.9	18.1	35.6	18.6	63.2	19.5	53.8	9.2
Ohio	68.4	5.3	32.7	2.0	53.2	4.9	31.7	4.1	29.7	4.7	15.9	4.5	31.1	3.8	64.0	5.3	41.3	2.0
Oklahoma	83.1	6.9	42.0	2.6	51.7	7.0	47.5	6.5	43.4	6.0	26.1	5.9	55.7	6.0	62.2	6.9	51.8	2.7
Oregon	73.9	7.4	58.4	2.9	98.8	7.3	58.2	5.6	55.3	7.5	28.4	7.2	43.4	6.5	69.3	7.4	60.6	3.0
Pennsylvania	63.2	6.3	34.2	2.1	51.7	5.4	38.5	4.6	32.8	4.6	15.0	4.9	31.3	5.1	57.2	6.3	40.9	2.3
Rhode Island	75.1	15.5	49.0	6.2	68.0	15.0	65.7	15.8	43.0	14.7	23.0	12.1	41.9	14.7	60.9	15.6	54.2	5.7
South Carolina	67.9	5.9	35.2	2.3	51.3	6.1	41.9	4.8	31.3	5.0	15.3	5.6	35.0	4.6	50.6	5.9	42.1	2.4
South Dakota	75.5	12.6	54.9	7.0	84.5	14.1	47.0	14.9	49.1	14.0	47.7	13.1	40.1	12.3	57.6	12.6	57.1	6.9
Tennessee	75.5	5.7	33.4	2.3	50.5	5.6	36.6	4.8	29.4	4.9	17.0	5.2	43.0	4.3	59.5	5.6	43.7	2.2
Texas	81.6	4.3	40.2	1.7	60.0	3.8	40.7	3.3	39.2	3.6	20.5	3.5	50.5	2.4	89.0	4.3	53.1	1.6
Utah	56.1	8.3	35.8	4.0	54.6	7.7	34.3	8.4	33.8	6.3	21.1	7.6	30.2	7.3	53.0	8.3	40.5	4.0
Vermont	92.8	21.9	68.8	8.6	92.3	17.4	80.6	18.6	60.8	15.8	44.7	22.5	52.2	22.1	88.8	22.0	72.6	8.7
Virginia	80.5	6.4	42.3	2.4	41.6	5.7	53.5	5.0	44.7	5.6	29.0	4.5	44.0	5.3	58.8	6.4	49.6	2.4
Washington	67.9	5.9	48.6	2.4	62.1	5.9	51.4	4.7	50.0	5.1	31.5	5.0	46.5	4.7	61.8	5.9	52.9	2.1
West Virginia	86.8	9.0	52.1	3.8	82.6	9.4	50.8	7.4	44.6	8.7	33.0	9.1	42.0	8.5	56.7	9.0	56.7	3.9
Wisconsin	81.4	8.1	47.6	3.0	66.8	7.4	51.4	6.4	46.4	7.3	26.9	5.9	41.3	7.1	72.2	8.0	54.3	3.1
Wyoming	64.4	15.5	40.1	7.0	62.5	15.8	39.7	12.8	32.0	16.4	26.0	17.1	33.8	15.0	56.6	15.5	45.3	7.3
<b>Total</b>	<b>78.5</b>	<b>3.7</b>	<b>45.9</b>	<b>1.5</b>	<b>64.7</b>	<b>3.3</b>	<b>49.8</b>	<b>2.7</b>	<b>44.4</b>	<b>3.0</b>	<b>25.3</b>	<b>3.0</b>	<b>45.6</b>	<b>1.1</b>	<b>69.0</b>	<b>3.7</b>	<b>53.5</b>	<b>1.4</b>

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, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

**Table D.11. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity With Coefficients of Variation: CY 2022**

State	Hispanic/Latino		White-Only, Not Hispanic		Other Than White-Only, Not Hispanic <sup>a</sup>		Total	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
Alabama	66.2	8.1	45.0	4.3	49.7	3.9	49.9*	2.5
Alaska	61.3	32.0	37.1*	11.1	64.4*	9.1	53.2	6.5
Arizona	55.7*	3.1	49.4	4.7	58.6*	5.4	54.8	2.4
Arkansas	45.9*	5.8	44.1	4.7	33.3*	5.7	40.4*	2.9
California	77.8*	2.3	38.1*	4.1	63.3*	3.2	69.7*	1.6
Colorado	50.6*	4.1	41.4*	5.3	45.6	5.8	46.6*	2.8
Connecticut	53.6*	4.2	36.6*	7.2	45.0	6.9	47.2*	2.8
Delaware	71.8	11.3	53.4	13.1	51.3	8.7	56.5	5.8
District of Columbia	94.8	20.6	23.6*	31.1	38.4*	7.3	46.7*	6.7
Florida	63.6	2.6	37.7*	4.0	52.1	3.2	52.6	1.8
Georgia	43.6*	4.1	41.3*	4.1	39.2*	3.3	40.6*	2.0
Hawaii	50.2*	10.4	38.8	14.4	70.2*	5.8	60.8*	4.7
Idaho	50.0*	7.4	41.6*	5.3	60.9	14.3	45.2*	4.1
Illinois	48.1*	3.2	34.4*	4.4	36.0*	4.0	39.4*	2.2
Indiana	69.2	5.6	54.9*	3.9	63.6*	4.0	59.8*	2.2
Iowa	71.1	8.5	47.4	4.8	62.2*	9.1	54.7	3.6
Kansas	51.4*	7.3	40.6*	5.5	53.1	7.3	46.4*	3.4
Kentucky	77.8*	10.3	60.4*	3.8	62.6*	5.4	62.6*	2.4
Louisiana	41.9*	6.6	39.4*	4.8	34.5*	3.6	36.8*	2.4
Maine	92.3	31.3	54.6*	6.7	66.1	17.2	57.6	5.9
Maryland	79.8*	5.1	43.6	5.8	51.8	4.0	58.3*	2.6
Massachusetts	75.0*	3.8	56.1*	5.3	60.9*	5.2	65.1*	2.7
Michigan	76.1*	5.4	60.3*	3.7	59.2*	3.7	61.5*	2.0
Minnesota	71.1	8.5	55.6*	5.6	75.1*	6.5	65.7*	3.7
Mississippi	45.4*	10.8	48.0	5.2	44.6*	4.0	45.7*	2.9
Missouri	43.7*	7.2	42.2*	4.0	37.4*	5.0	40.8*	2.5
Montana	25.9*	19.4	46.6	8.7	64.1*	10.0	47.2*	6.6
Nebraska	75.8	10.0	46.6	6.4	82.5*	8.4	62.9*	5.1
Nevada	46.4*	4.3	52.7	9.0	44.4*	6.0	47.0*	3.3
New Hampshire	57.3	14.7	48.3	7.9	43.1	28.0	49.0	7.2
New Jersey	61.1	3.8	45.0	4.9	46.5	4.4	52.8	2.5
New Mexico	39.0*	4.1	31.4*	9.2	50.3	7.0	39.1*	3.3
New York	64.1	3.2	49.7*	3.6	61.3*	3.5	58.5*	1.9

State	Hispanic/Latino		White-Only, Not Hispanic		Other Than White- Only, Not Hispanic <sup>a</sup>		Total	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
North Carolina	68.6*	3.4	63.0*	4.0	62.0*	3.6	64.0*	2.0
North Dakota	41.3*	24.1	44.6	11.9	77.6*	15.3	53.8	9.2
Ohio	46.8*	5.8	40.6*	3.6	40.6*	3.5	41.3*	2.0
Oklahoma	56.2*	4.2	45.7	4.6	55.2*	4.8	51.8	2.7
Oregon	62.0	4.6	60.5*	4.5	57.5	8.9	60.6*	3.0
Pennsylvania	44.3*	4.3	39.4*	3.8	40.1*	4.2	40.9*	2.3
Rhode Island	54.7*	7.4	43.5	13.0	71.6*	15.3	54.2	5.7
South Carolina	44.6*	6.3	38.5*	4.5	43.8*	4.2	42.1*	2.4
South Dakota	47.5*	14.7	40.4	10.6	89.2*	10.2	57.1	6.9
Tennessee	45.0*	5.3	48.7	3.8	36.4*	4.2	43.7*	2.2
Texas	58.7*	2.3	42.6*	3.8	43.9*	3.5	53.1	1.6
Utah	53.1*	7.4	33.8*	5.8	39.2*	11.2	40.5*	4.0
Vermont	96.8	61.0	69.2*	10.0	†	†	72.6*	8.7
Virginia	65.3	5.3	42.6	4.7	46.5*	3.8	49.6*	2.4
Washington	59.8	3.5	44.8	4.2	55.3*	5.0	52.9	2.1
West Virginia	59.7	19.5	55.6*	5.1	65.1*	9.8	56.7	3.9
Wisconsin	65.6	8.5	43.1	4.9	64.4*	5.9	54.3	3.1
Wyoming	52.0	22.0	44.8	9.5	37.7	22.0	45.3*	7.3
<b>Total</b>	<b>63.0</b>	<b>2.1</b>	<b>45.9</b>	<b>3.1</b>	<b>50.2</b>	<b>2.6</b>	<b>53.5</b>	<b>1.4</b>

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

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

\* 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

– denotes blank cells

Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvitch et al., 2024

**Table D.12. State-Level WIC Coverage Rates for Children by Race and Hispanic Ethnicity: CY 2022**

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White-Only, Not Hispanic <sup>a</sup>	Total
Alabama	61.0	35.5	39.9	40.4
Alaska	74.2	31.5	57.8	48.1
Arizona	50.7	41.7	56.8	49.6
Arkansas	34.3	31.8	23.2	29.1
California	74.8	35.4	58.8	66.6
Colorado	43.8	36.9	37.7	40.5
Connecticut	48.3	29.4	38.3	40.7
Delaware	53.7	52.2	42.7	47.6
District of Columbia	†	16.2	30.9	39.9
Florida	53.5	31.8	41.8	43.7
Georgia	35.9	35.2	31.0	33.0
Hawaii	45.6	33.3	66.8	56.8
Idaho	46.2	35.2	45.8	39.0
Illinois	37.0	27.6	26.0	30.1
Indiana	63.1	48.0	54.3	52.3
Iowa	66.5	40.7	50.2	47.2
Kansas	49.2	33.5	42.7	40.0
Kentucky	80.9	51.7	57.4	55.4
Louisiana	25.1	24.8	23.3	24.0
Maine	60.7	47.6	67.2	50.9
Maryland	80.7	34.9	40.4	49.5
Massachusetts	75.5	57.4	57.5	64.9
Michigan	71.8	52.6	53.3	54.9
Minnesota	64.8	50.0	63.8	58.0
Mississippi	41.4	38.4	37.2	37.8
Missouri	33.0	31.1	26.9	30.0
Montana	21.5	42.2	55.8	42.1
Nebraska	74.3	39.9	77.1	57.3
Nevada	38.6	48.4	36.1	39.5
New Hampshire	56.4	47.0	39.9	47.6
New Jersey	54.9	42.4	36.9	46.4
New Mexico	32.6	21.1	33.5	30.9
New York	59.1	45.3	52.3	52.4
North Carolina	62.1	57.3	54.6	57.4
North Dakota	48.1	38.9	74.6	50.5
Ohio	40.4	31.5	32.5	32.7
Oklahoma	47.4	33.5	47.5	42.0
Oregon	58.2	59.4	55.4	58.4
Pennsylvania	41.4	32.8	31.0	34.2
Rhode Island	50.5	34.3	74.7	49.0

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White- Only, Not Hispanic <sup>a</sup>	Total
South Carolina	39.3	32.4	36.0	35.2
South Dakota	48.9	42.1	72.8	54.9
Tennessee	42.1	36.1	26.0	33.4
Texas	46.4	29.1	30.4	40.2
Utah	46.5	29.9	34.3	35.8
Vermont	†	64.7	81.4	68.8
Virginia	57.5	36.5	38.9	42.3
Washington	54.6	40.5	52.6	48.6
West Virginia	45.0	51.2	60.7	52.1
Wisconsin	60.1	38.9	52.2	47.6
Wyoming	49.3	38.4	34.4	40.1
<b>Total</b>	<b>56.3</b>	<b>38.8</b>	<b>41.5</b>	<b>45.9</b>

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

CY = calendar year

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

† Indicates an unreliable coverage rate over 100 percent

Sources: FNS, 2023; 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 2022

---

This appendix provides maps of WIC coverage rates at the regional and State levels. Coverage rates are the percentages of women, infants, and children eligible for WIC who receive WIC benefits. This appendix includes maps that show coverage rates for all eligible individuals and for each of the four participant categories—infants, children, pregnant women, and postpartum women. This appendix also includes maps that show State-level coverage rates for three race and ethnicity categories: Hispanic/Latino; White-Only, Not Hispanic; and Other Than White-Only, Not Hispanic.<sup>9</sup>

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

Several external factors and WIC policy changes influenced WIC program operations in 2022. These changes may influence the estimates and trends presented in this report. For example:

- In June 2021, the American Rescue Plan Act temporarily increased the monthly CVB issued to WIC participants for the purchase of fruits and vegetables. This increase was later extended, with the benefit amounts further increasing for women and children throughout calendar year 2022.
- In February 2022, an infant formula recall led to a national formula shortage. Combined with pandemic-related supply chain issues, the formula shortage continued through the summer months, leading to shifts in how infants were fed across the Nation through the remainder of 2022 and continuing into 2023 (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.
- 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. Some WIC clinics began shifting back to pre-COVID policies while others continued to waive physical presence requirements and issued benefits remotely. The impact of WIC waivers may have varied across State agencies with different policies. For example, State agencies using offline EBT technology may have been disadvantaged in comparison with State agencies with online EBT systems because they could not easily issue benefits remotely.

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

---

<sup>9</sup> The “Black-only, not Hispanic” and “Two or more races or other race, not Hispanic” categories were combined because of sample size concerns. This category includes Black-only, non-Hispanic individuals and non-Hispanic individuals who self-identify as two or more races or self-identify as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander.

### **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.

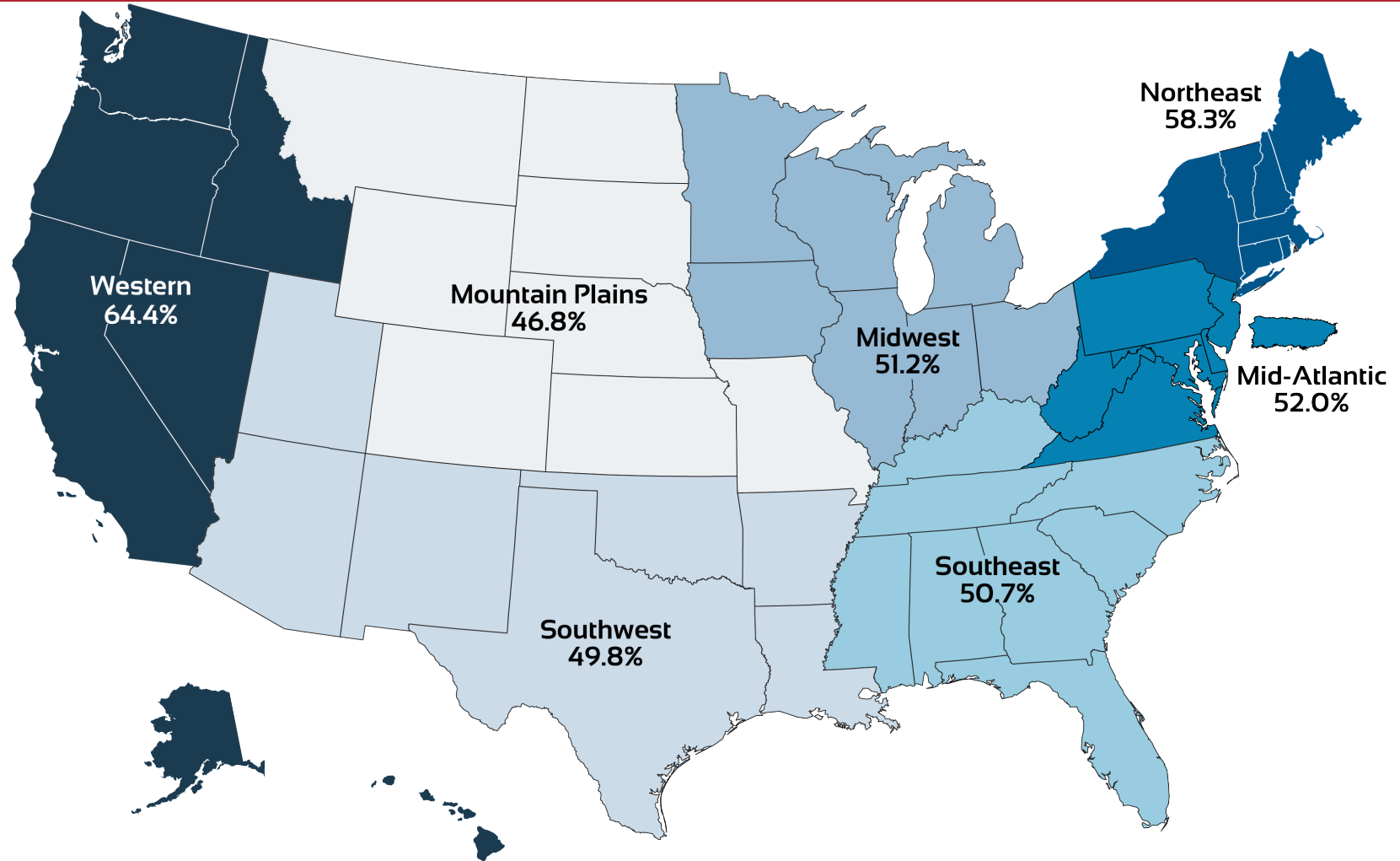
### **State-Level Coverage Rates by Race and Hispanic Ethnicity**

- ▶ 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 International Database 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 2022**

National Coverage Rate for All Eligible Individuals: 53.5 Percent



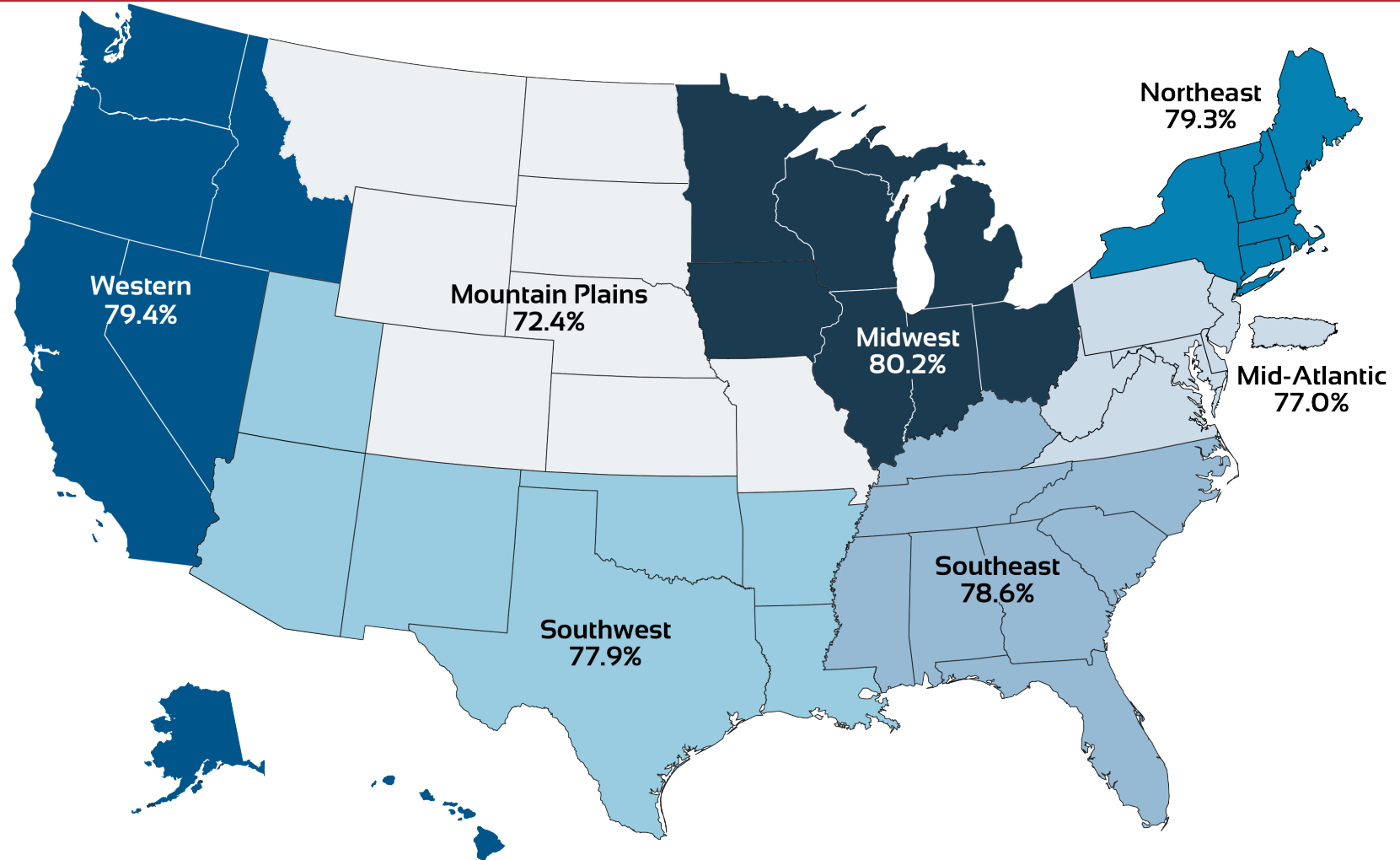
Note: [Data for figure E.1 is available in table F.3 in appendix F.](#)

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2023; 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 2022**

National Coverage Rate for Infants: 78.4 Percent



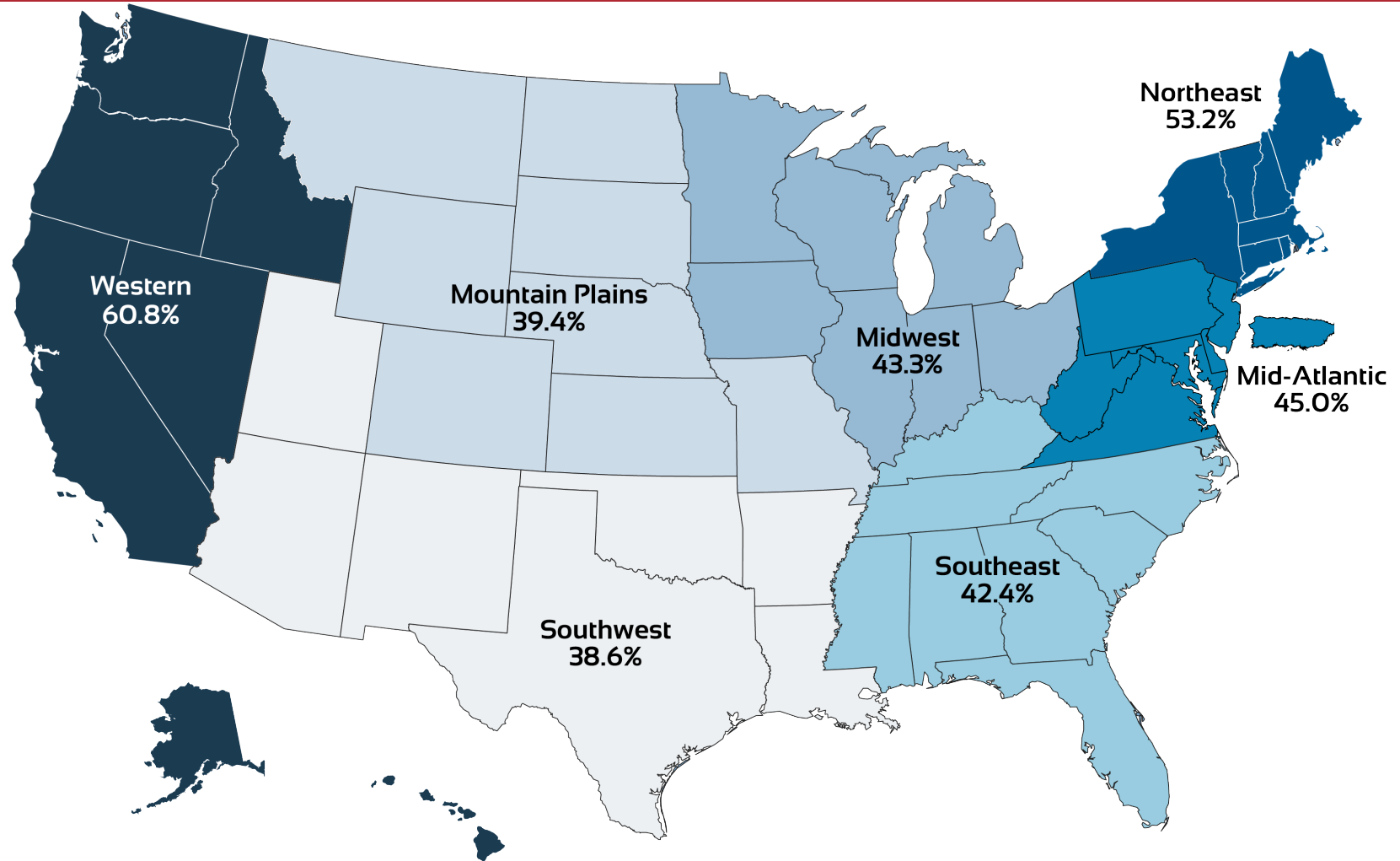
Note: [Data for figure E.2 is available in table F.3 in appendix F.](#)

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2023; 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 2022**

National Coverage Rate for Children: 46.0 Percent



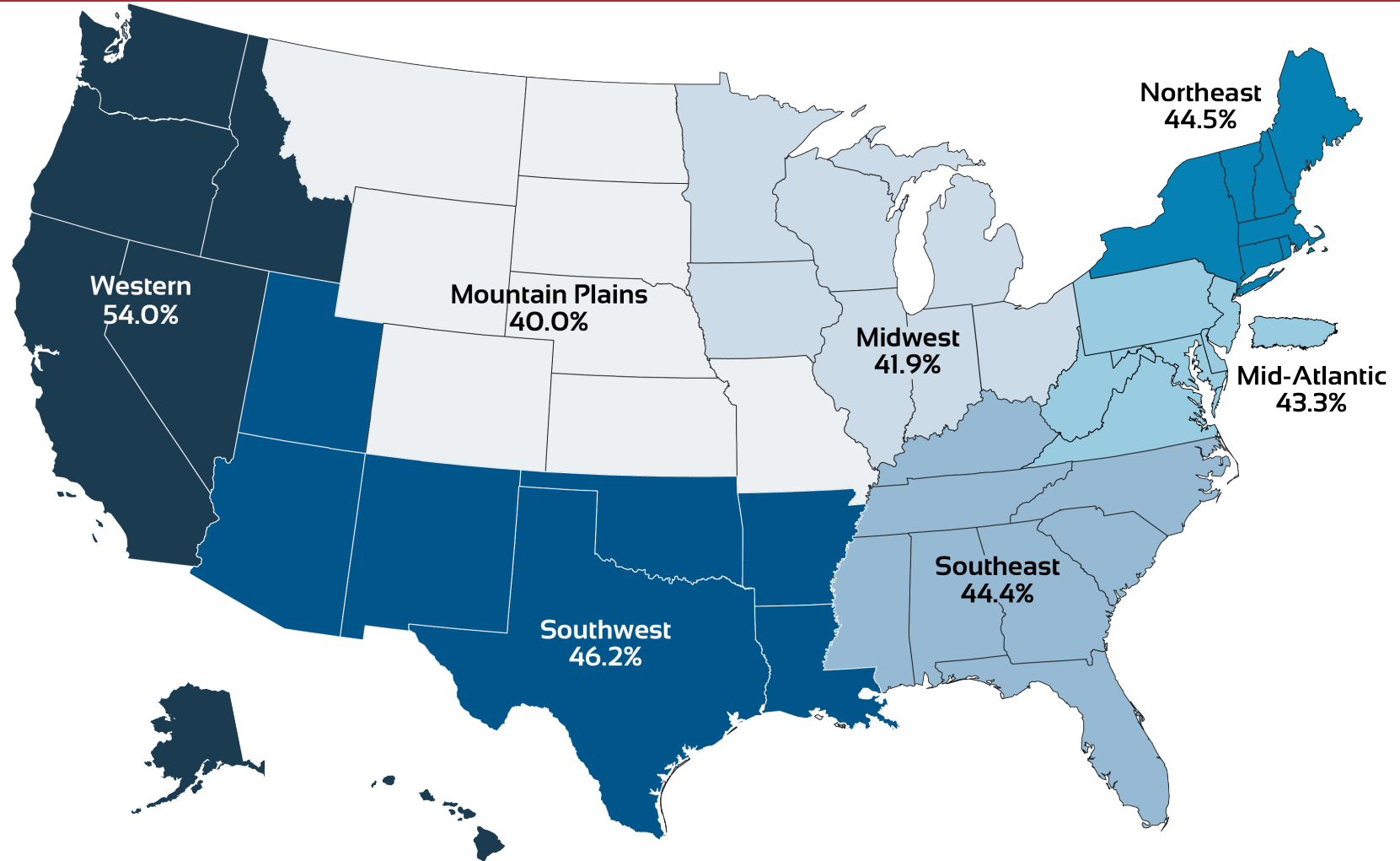
Note: [Data for figure E.3 is available in table F.3 in appendix F.](#)

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2023; 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 2022**

National Coverage Rate for Pregnant Women: 45.6 Percent



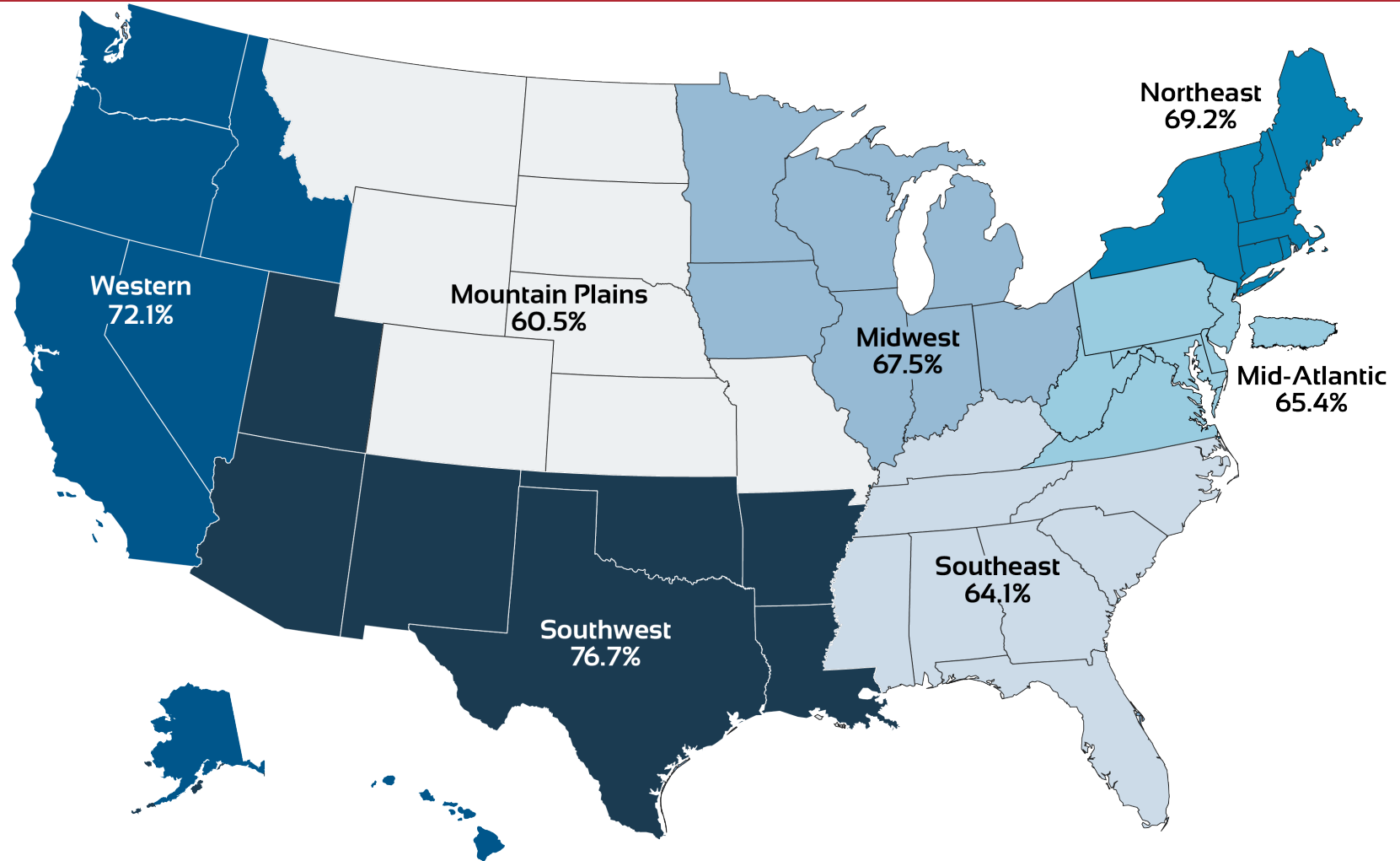
Note: [Data for figure E.4 is available in table F.3 in appendix F.](#)

CY = calendar year; FNS = Food and Nutrition Service

Sources: FNS, 2023; 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 2022**

National Coverage Rate for Postpartum Women: 68.9 Percent



Note: [Data for figure E.5 is available in table F.3 in appendix F.](#)

CY = calendar year; FNS = Food and Nutrition Service

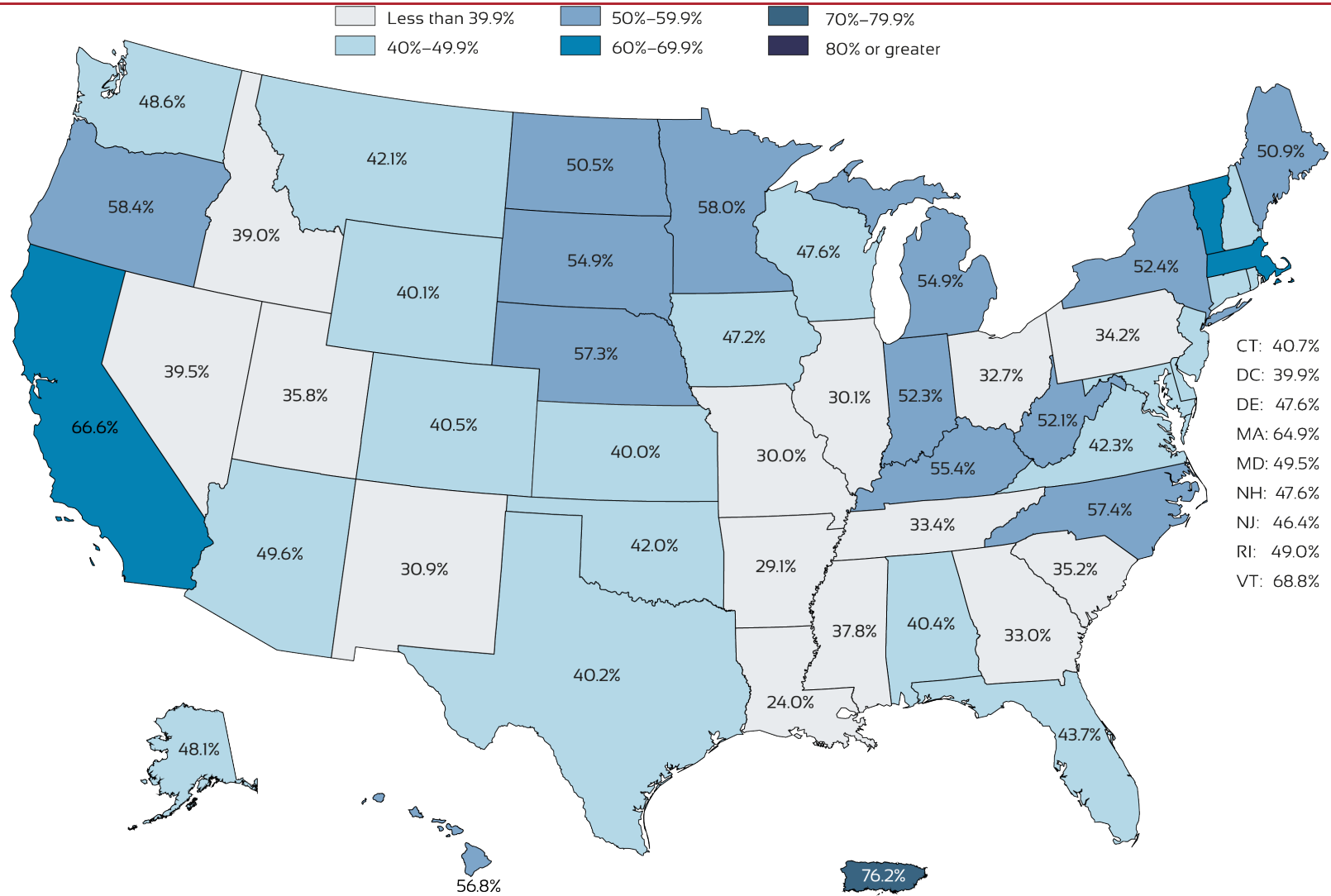
Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b





**Figure E.8. WIC Coverage Rate for Children by State: CY 2022**

National Coverage Rate for Children: 46.0 Percent



Note: [Data for figure E.8 is available in table F.3 in appendix F.](#)

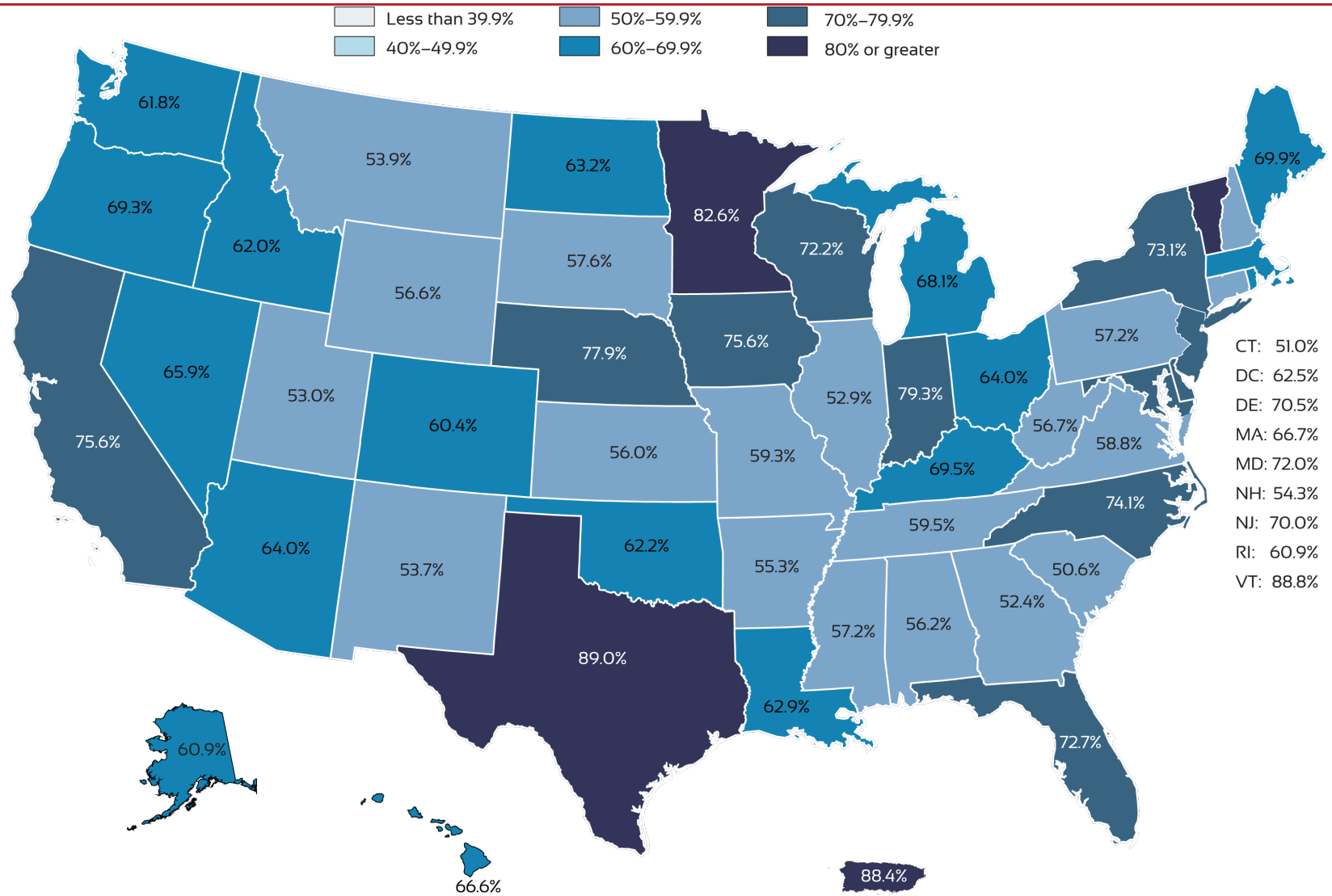
CY = calendar year

Sources: FNS, 2023; 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 2022**

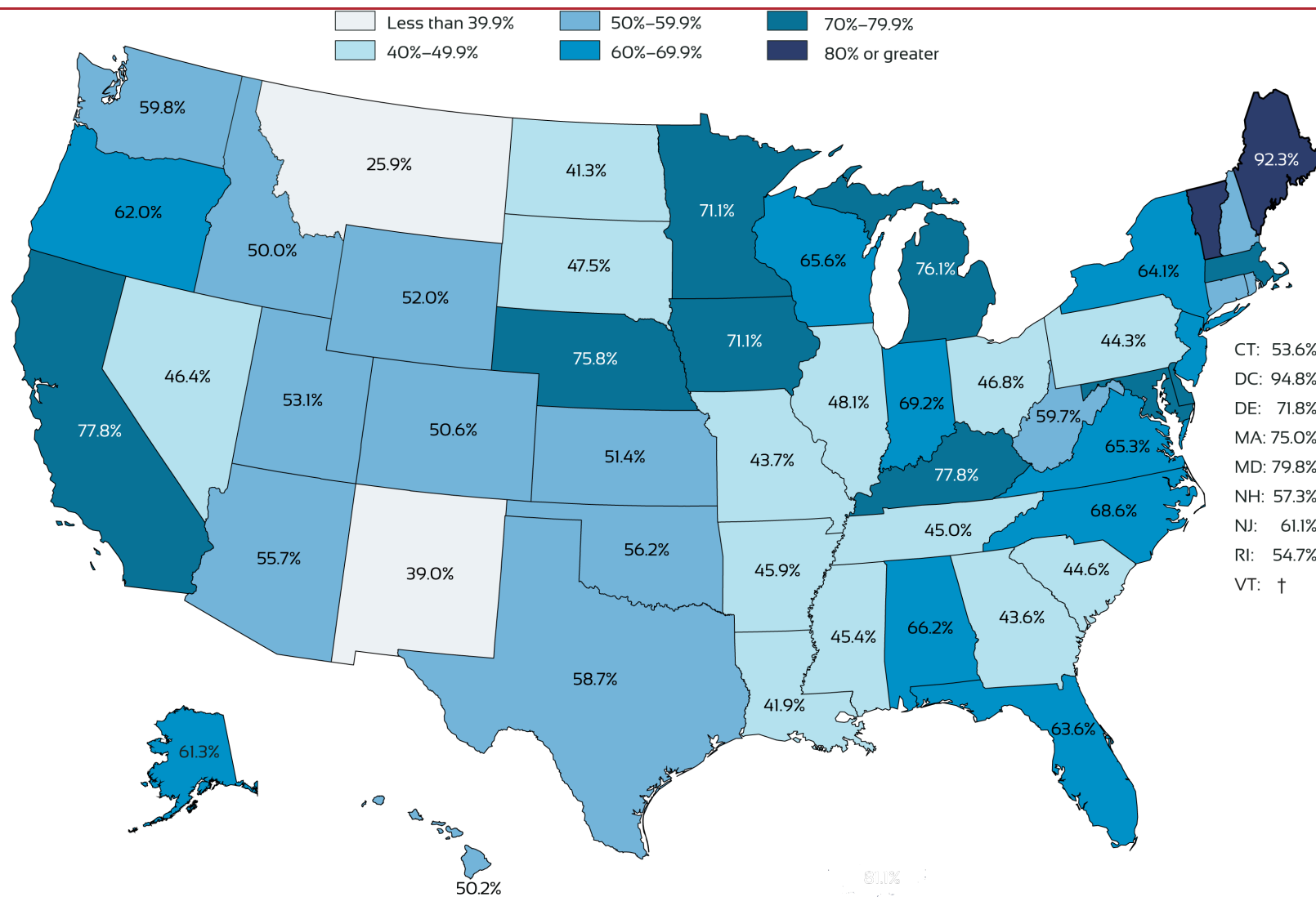
National Coverage Rate for Postpartum Women: 68.9 Percent



Note: [Data for figure E.10 is available in table F.3 in appendix F.](#)  
 CY = calendar year  
 Sources: FNS, 2023; 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 2022**

National Coverage Rate for Hispanic/Latino Individuals: 63.0 Percent



Note: [Data for figure E.11 is available in table F.7 in appendix F.](#)

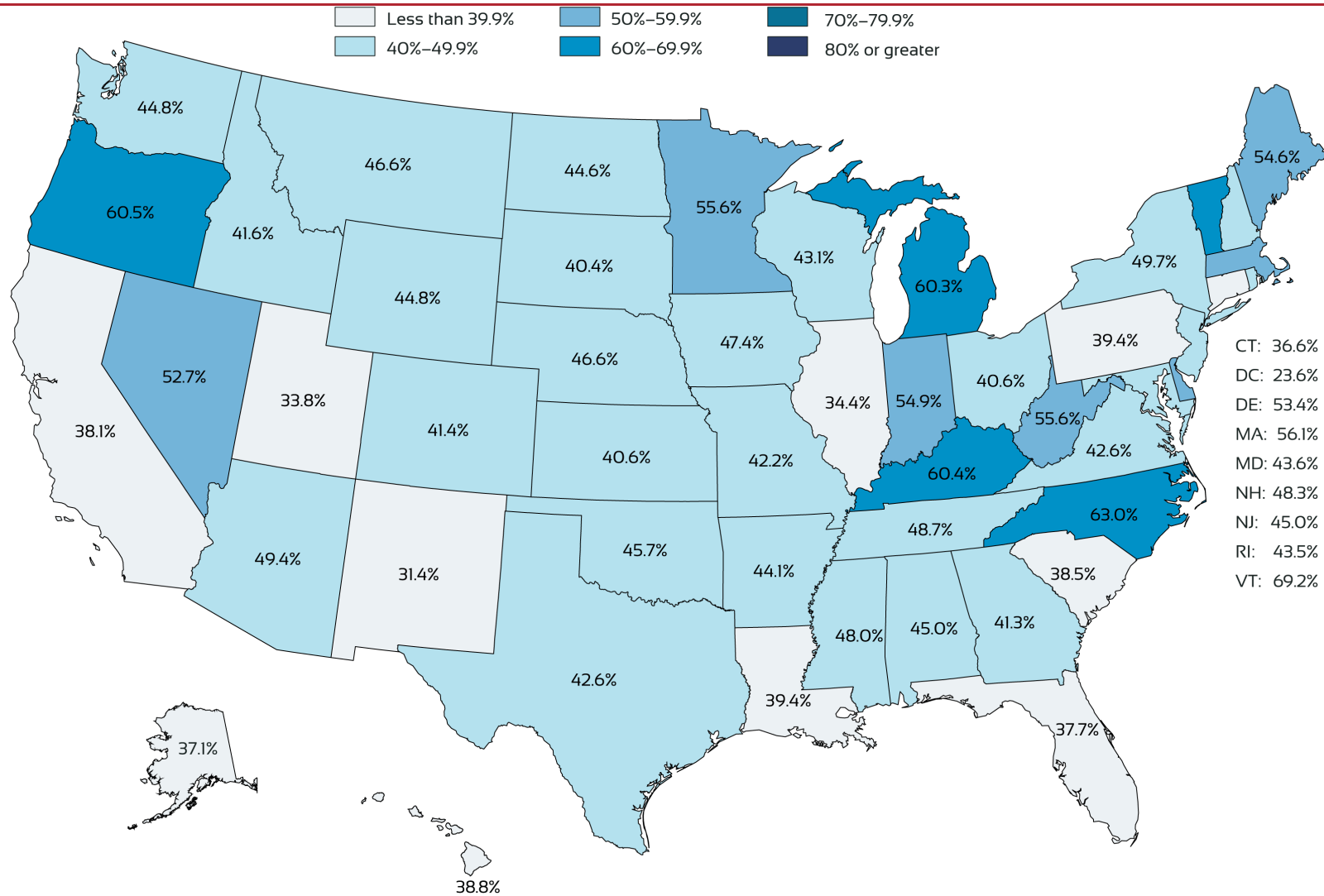
CY = calendar year

† Indicates an unreliable coverage rate over 100 percent

Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvitch et al., 2024

**Figure E.12. WIC Coverage Rate for White-Only, Not Hispanic Individuals by State: CY 2022**

National Coverage Rate for White-Only, Non-Hispanic Individuals: 45.9 Percent



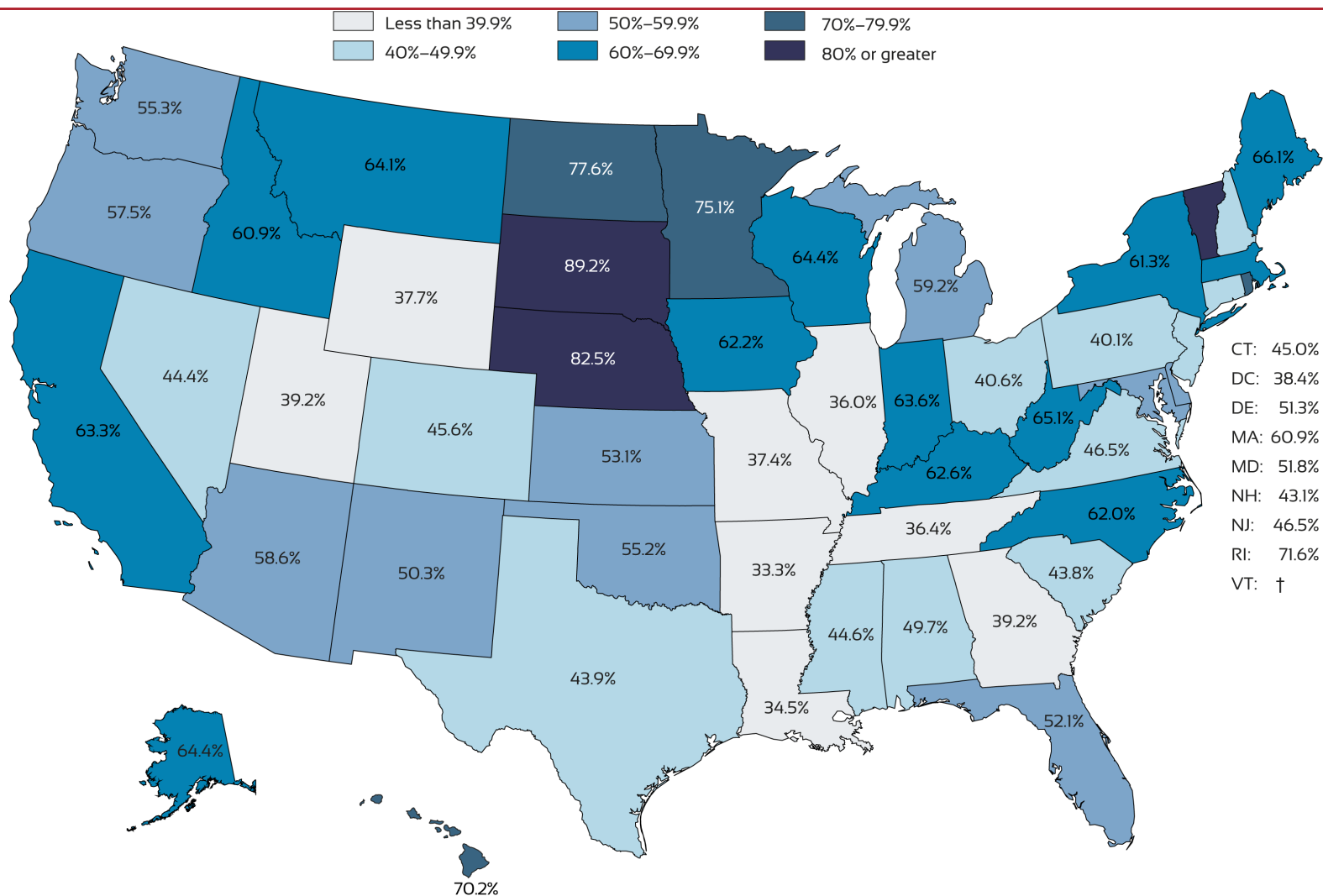
Note: [Data for figure E.12 is available in table F.7 in appendix F.](#)

CY = calendar year

Sources: FNS, 2023; 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 2022**

National Coverage Rate Other Than White-Only, Non-Hispanic Individuals: 50.2 Percent



Note: [Data for figure E.13 is 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-identify as two or more races or self-identify as Asian, American Indian/Alaska Native, or Hawaiian/Pacific Islander. CY = calendar year

† Indicates an unreliable coverage rate over 100 percent

Sources: FNS, 2023; 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.

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

Several external factors and WIC policy changes influenced WIC program operations in 2022. These changes may influence the estimates and trends presented in this report. For example:

- In June 2021, the American Rescue Plan Act temporarily increased the monthly CVB issued to WIC participants for the purchase of fruits and vegetables. This increase was later extended, with the benefit amounts further increasing for women and children throughout calendar year 2022.
- In February 2022, an infant formula recall led to a national formula shortage. Combined with pandemic-related supply chain issues, the formula shortage continued through the summer months, leading to shifts in how infants were fed across the Nation through the remainder of 2022 and continuing into 2023 (Economic Research Service, 2024). Breastfeeding practices directly affect who is eligible for WIC and what benefits postpartum women and infants receive.
- 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. Some WIC clinics began shifting back to pre-COVID policies while others continued to waive physical presence requirements and issued benefits remotely. The impact of WIC waivers may have varied across State agencies with different policies. For example, State agencies using offline EBT technology may have been disadvantaged in comparison with State agencies with online EBT systems because they could not easily issue benefits remotely.

**Table F.1. Trends in WIC Eligibility by Participant Category: CY 2016–CY 2022**

Participant Category	2016	2017	2018	2019	2020	2021	2022
Infants	2,162,700	2,139,130	1,998,988	1,900,491	1,862,033	1,846,394	1,830,448
Children	9,023,248	8,847,389	8,123,987	7,726,475	7,784,680	7,851,014	7,523,916
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
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
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
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
Pregnant women	1,287,402	1,221,038	1,144,961	1,091,257	1,103,246	1,128,406	1,124,940
Postpartum women	1,532,362	1,532,105	1,423,761	1,356,486	1,331,757	1,305,482	1,313,719
Breastfeeding women	969,380	978,905	896,644	851,671	833,152	796,911	822,967
Non-breastfeeding women	562,982	553,199	527,117	504,816	498,605	508,571	490,752
<b>Total</b>	<b>14,005,712</b>	<b>13,739,662</b>	<b>12,691,698</b>	<b>12,074,709</b>	<b>12,081,717</b>	<b>12,131,296</b>	<b>11,793,023</b>

Note: The estimates for CY 2016 through 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 WIC Eligibility by Participant Category: CY 2016–CY 2022**

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

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

Note: The estimates for CY 2016 through 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 Rates by State and FNS Region and Participant Category: CY 2022**

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	83.2	40.4	58.4	48.9	34.0	21.3	50.7	56.2	49.9
	Alaska	73.7	48.1	70.4	53.2	43.1	26.7	44.2	60.9	53.2
	Arizona	77.3	49.6	72.4	52.8	47.7	27.1	40.2	64.0	54.8
	Arkansas	74.9	29.1	43.7	29.3	25.0	18.1	41.3	55.3	40.4
	California	83.3	66.6	96.5	67.8	68.5	36.1	59.7	75.6	69.7
	Colorado	66.4	40.5	58.6	43.0	40.3	21.6	38.4	60.4	46.6
	Connecticut	72.2	40.7	58.8	40.6	39.2	24.7	45.4	51.0	47.2
	Delaware	91.8	47.6	58.4	56.9	42.9	28.6	48.1	70.5	56.5
	District of Columbia	66.5	39.9	47.7	53.0	31.9	28.5	33.1	62.5	46.7
	Florida	79.2	43.7	61.0	48.8	40.9	23.8	45.9	72.7	52.6
	Georgia	66.9	33.0	41.4	39.4	33.4	16.7	35.8	52.4	40.6
	Hawaii	76.6	56.8	86.9	63.4	52.7	30.9	51.6	66.6	60.8
	Idaho	69.2	39.0	60.7	39.8	34.8	21.9	33.7	62.0	45.2
	Illinois	72.0	30.1	41.6	29.6	26.1	23.5	37.6	52.9	39.4
	Indiana	88.4	52.3	67.4	56.3	53.6	31.2	42.9	79.3	59.8
	Iowa	81.0	47.2	66.2	54.1	45.4	24.2	41.5	75.6	54.7
	Kansas	69.6	40.0	57.6	46.2	37.3	20.5	41.3	56.0	46.4
	Kentucky	95.3	55.4	82.8	64.0	50.1	26.8	51.4	69.5	62.6
	Louisiana	70.8	24.0	37.1	24.8	21.5	11.1	34.9	62.9	36.8
	Maine	89.9	50.9	69.6	60.9	46.3	31.8	44.8	69.9	57.6
Maryland	85.9	49.5	62.8	61.2	45.6	28.2	55.2	72.0	58.3	
Massachusetts	75.8	64.9	†	64.4	61.8	35.9	47.5	66.7	65.1	
Michigan	90.8	54.9	72.7	62.9	56.4	28.3	53.7	68.1	61.5	
Minnesota	94.9	58.0	68.8	63.3	60.4	38.6	55.8	82.6	65.7	
Mississippi	76.7	37.8	49.0	42.6	38.5	20.0	31.6	57.2	45.7	
Missouri	75.3	30.0	45.0	29.9	28.9	16.2	40.4	59.3	40.8	
Montana	70.7	42.1	78.0	45.2	35.2	20.9	38.8	53.9	47.2	

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 (continued)	Nebraska	86.3	57.3	81.6	68.8	56.1	28.7	45.4	77.9	62.9
	Nevada	73.1	39.5	53.6	42.3	38.0	23.9	35.7	65.9	47.0
	New Hampshire	62.4	47.6	61.7	62.5	42.7	28.1	33.2	54.3	49.0
	New Jersey	74.4	46.4	67.9	51.8	44.2	23.6	40.8	70.0	52.8
	New Mexico	62.6	30.9	55.0	28.2	23.2	19.6	38.5	53.7	39.1
	New York	81.8	52.4	72.1	58.0	50.3	30.1	44.2	73.1	58.5
	North Carolina	88.5	57.4	77.8	70.5	52.8	28.6	54.4	74.1	64.0
	North Dakota	71.7	50.5	80.2	58.2	43.9	25.9	35.6	63.2	53.8
	Ohio	68.4	32.7	53.2	31.7	29.7	15.9	31.1	64.0	41.3
	Oklahoma	83.1	42.0	51.7	47.5	43.4	26.1	55.7	62.2	51.8
	Oregon	73.9	58.4	98.8	58.2	55.3	28.4	43.4	69.3	60.6
	Pennsylvania	63.2	34.2	51.7	38.5	32.8	15.0	31.3	57.2	40.9
	Rhode Island	75.1	49.0	68.0	65.7	43.0	23.0	41.9	60.9	54.2
	South Carolina	67.9	35.2	51.3	41.9	31.3	15.3	35.0	50.6	42.1
	South Dakota	75.5	54.9	84.5	47.0	49.1	47.7	40.1	57.6	57.1
	Tennessee	75.5	33.4	50.5	36.6	29.4	17.0	43.0	59.5	43.7
	Texas	81.6	40.2	60.0	40.7	39.2	20.5	50.5	89.0	53.1
	Utah	56.1	35.8	54.6	34.3	33.8	21.1	30.2	53.0	40.5
	Vermont	92.8	68.8	92.3	80.6	60.8	44.7	52.2	88.8	72.6
	Virginia	80.5	42.3	41.6	53.5	44.7	29.0	44.0	58.8	49.6
Washington	67.9	48.6	62.1	51.4	50.0	31.5	46.5	61.8	52.9	
West Virginia	86.8	52.1	82.6	50.8	44.6	33.0	42.0	56.7	56.7	
Wisconsin	81.4	47.6	66.8	51.4	46.4	26.9	41.3	72.2	54.3	
Wyoming	64.4	40.1	62.5	39.7	32.0	26.0	33.8	56.6	45.3	

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	79.3	53.2	75.2	57.9	50.6	30.5	44.5	69.2	58.3
	Mid-Atlantic	77.0	45.0	60.4	51.7	43.4	25.4	43.3	65.4	52.0
	Southeast	78.6	42.4	58.6	49.4	39.4	21.8	44.4	64.1	50.7
	Midwest	80.2	43.3	59.5	46.2	42.2	25.4	41.9	67.5	51.2
	Southwest	77.9	38.6	56.9	39.7	37.1	20.6	46.2	76.7	49.8
	Mountain Plains	72.4	39.4	58.1	41.8	37.3	21.7	40.0	60.5	46.8
	Western	79.4	60.8	87.6	62.3	61.7	33.7	54.0	72.1	64.4
	<b>Total</b>	<b>78.4</b>	<b>46.0</b>	<b>64.6</b>	<b>49.8</b>	<b>44.4</b>	<b>25.4</b>	<b>45.6</b>	<b>68.9</b>	<b>53.5</b>

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 regional 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, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; Zvavitch et al., 2024

**Table F.4. WIC Coverage Rates by Participant Category: CY 2016–CY 2022**

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

CY = calendar year

Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b; Zvavitch et al., 2024

**Table F.5. WIC Coverage Rates by FNS Region and Participant Category: CY 2016–CY 2022**

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

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

CY = calendar year

Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

**Table F.6. WIC Eligibility, Participants, and Coverage Rates by Participant Category and by Race and Hispanic Ethnicity: CY 2022**

Participant Category		Hispanic/ Latino	Black-Only, Not Hispanic	White-Only, Not Hispanic	Two or More Races or Other Race, Not Hispanic <sup>a</sup>	Total
Number eligible	Infants	709,799	370,993	568,430	176,216	1,825,438
	Children	2,705,577	1,682,783	2,418,184	698,768	7,505,312
	Pregnant women	394,951	221,609	413,509	91,468	1,121,537
	Postpartum women	517,761	258,037	408,376	126,111	1,310,285
	<b>Total</b>	<b>4,328,088</b>	<b>2,533,422</b>	<b>3,808,499</b>	<b>1,092,563</b>	<b>11,762,572</b>
Number participating	Infants	599,173	312,762	387,309	132,878	1,432,122
	Children	1,522,615	647,018	938,677	340,190	3,448,500
	Pregnant women	218,704	96,644	161,108	35,231	511,687
	Postpartum women	387,137	188,021	261,910	66,469	903,537
	<b>Total</b>	<b>2,727,628</b>	<b>1,244,446</b>	<b>1,749,003</b>	<b>574,768</b>	<b>6,295,845</b>
Coverage rate	Infants	84.4	84.3	68.1*	75.4	78.5
	Children	56.3*	38.4*	38.8*	48.7	45.9
	Pregnant women	55.4*	43.6*	39.0*	38.5*	45.6
	Postpartum women	74.8	72.9	64.1	52.7*	69.0
	<b>Total</b>	<b>63.0*</b>	<b>49.1*</b>	<b>45.9*</b>	<b>52.6</b>	<b>53.5</b>

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

<sup>a</sup> 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.

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

Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

**Table F.7. State-Level WIC Coverage Rates by Race and Hispanic Ethnicity: CY 2022**

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White-Only, Not Hispanic <sup>a</sup>	Total
Alabama	66.2	45.0	49.7	49.9*
Alaska	61.3	37.1*	64.4*	53.2
Arizona	55.7*	49.4	58.6*	54.8
Arkansas	45.9*	44.1	33.3*	40.4*
California	77.8*	38.1*	63.3*	69.7*
Colorado	50.6*	41.4*	45.6	46.6*
Connecticut	53.6*	36.6*	45.0	47.2*
Delaware	71.8	53.4	51.3	56.5
District of Columbia	94.8	23.6*	38.4*	46.7*
Florida	63.6	37.7*	52.1	52.6
Georgia	43.6*	41.3*	39.2*	40.6*
Hawaii	50.2*	38.8	70.2*	60.8*
Idaho	50.0*	41.6*	60.9	45.2*
Illinois	48.1*	34.4*	36.0*	39.4*
Indiana	69.2	54.9*	63.6*	59.8*
Iowa	71.1	47.4	62.2*	54.7
Kansas	51.4*	40.6*	53.1	46.4*
Kentucky	77.8*	60.4*	62.6*	62.6*
Louisiana	41.9*	39.4*	34.5*	36.8*
Maine	92.3	54.6*	66.1	57.6
Maryland	79.8*	43.6	51.8	58.3*
Massachusetts	75.0*	56.1*	60.9*	65.1*
Michigan	76.1*	60.3*	59.2*	61.5*
Minnesota	71.1	55.6*	75.1*	65.7*
Mississippi	45.4*	48.0	44.6*	45.7*
Missouri	43.7*	42.2*	37.4*	40.8*
Montana	25.9*	46.6	64.1*	47.2*
Nebraska	75.8	46.6	82.5*	62.9*
Nevada	46.4*	52.7	44.4*	47.0*
New Hampshire	57.3	48.3	43.1	49.0
New Jersey	61.1	45.0	46.5	52.8
New Mexico	39.0*	31.4*	50.3	39.1*
New York	64.1	49.7*	61.3*	58.5*
North Carolina	68.6*	63.0*	62.0*	64.0*
North Dakota	41.3*	44.6	77.6*	53.8
Ohio	46.8*	40.6*	40.6*	41.3*
Oklahoma	56.2*	45.7	55.2*	51.8
Oregon	62.0	60.5*	57.5	60.6*
Pennsylvania	44.3*	39.4*	40.1*	40.9*

State	Hispanic/Latino	White-Only, Not Hispanic	Other Than White-Only, Not Hispanic <sup>a</sup>	Total
Rhode Island	54.7*	43.5	71.6*	54.2
South Carolina	44.6*	38.5*	43.8*	42.1*
South Dakota	47.5*	40.4	89.2*	57.1
Tennessee	45.0*	48.7	36.4*	43.7*
Texas	58.7*	42.6*	43.9*	53.1
Utah	53.1*	33.8*	39.2*	40.5*
Vermont	†	69.2*	†	72.6*
Virginia	65.3	42.6	46.5*	49.6*
Washington	59.8	44.8	55.3*	52.9
West Virginia	59.7	55.6*	65.1*	56.7
Wisconsin	65.6	43.1	64.4*	54.3
Wyoming	52.0	44.8	37.7	45.3*
<b>Total</b>	<b>63.0</b>	<b>45.9</b>	<b>50.2</b>	<b>53.5</b>

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

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

\* 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

Sources: FNS, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024

**Table F.8. WIC Eligibility, Participants, and Coverage Rates by FNS Region and Participant Category: CY 2022**

FNS Region		Infants	Children	Pregnant Women	Postpartum Women	Total
Number eligible	Northeast	165,925	672,796	102,076	123,550	1,064,348
	Mid-Atlantic	205,520	867,162	128,389	150,873	1,351,944
	Southeast	418,253	1,692,988	260,723	290,704	2,662,668
	Midwest	267,008	1,160,676	170,955	186,266	1,784,904
	Southwest	370,226	1,483,533	220,491	259,369	2,333,619
	Mountain Plains	94,274	397,016	59,957	68,713	619,960
	Western	309,242	1,249,745	182,348	234,245	1,975,580
	<b>Total</b>	<b>1,830,448</b>	<b>7,523,916</b>	<b>1,124,940</b>	<b>1,313,719</b>	<b>11,793,023</b>
Number participating	Northeast	131,620	357,731	45,454	85,519	620,324
	Mid-Atlantic	158,272	390,551	55,599	98,745	703,167
	Southeast	328,779	718,315	115,666	186,200	1,348,959
	Midwest	214,179	502,190	71,643	125,646	913,659
	Southwest	288,518	572,351	101,832	198,858	1,161,559
	Mountain Plains	68,217	156,254	23,983	41,589	290,043
	Western	245,407	759,901	98,460	168,945	1,272,712
	<b>Total</b>	<b>1,434,992</b>	<b>3,457,293</b>	<b>512,637</b>	<b>905,501</b>	<b>6,310,423</b>
Coverage rate	Northeast	79.3	53.2*	44.5	69.2	58.3*
	Mid-Atlantic	77.0	45.0	43.3*	65.4	52.0
	Southeast	78.6	42.4*	44.4	64.1	50.7*
	Midwest	80.2	43.3*	41.9*	67.5	51.2*
	Southwest	77.9	38.6*	46.2	76.7*	49.8*
	Mountain Plains	72.4	39.4*	40.0*	60.5*	46.8*
	Western	79.4	60.8*	54.0*	72.1	64.4*
	<b>Total</b>	<b>78.4</b>	<b>46.0</b>	<b>45.6</b>	<b>68.9</b>	<b>53.5</b>

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, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a, n.d.-b

**Table F.9. WIC Coverage Rates by Participant Category and Race and Hispanic Ethnicity With Coefficients of Variation: CY 2022**

Participant Category	Hispanic/Latino		Black-Only, Not Hispanic		White-Only, Not Hispanic		Two or More Races or Other Race, Not Hispanic <sup>a</sup>		Total	
	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)	Rate	COV (%)
Infants	84.4	5.6	84.3	10.2	68.1	7.2	75.4	14.0	78.5	3.7
Children	56.3	2.1	38.4	3.7	38.8	3.1	48.7	6.0	45.9	1.5
Pregnant women	55.4	1.6	43.6	2.2	39.0	1.9	38.5	3.7	45.6	1.1
Postpartum women	74.8	5.6	72.9	10.2	64.1	7.2	52.7	14.0	69.0	3.7
<b>Total</b>	<b>63.0</b>	<b>2.1</b>	<b>49.1</b>	<b>2.7</b>	<b>45.9</b>	<b>3.1</b>	<b>52.6</b>	<b>5.7</b>	<b>53.5</b>	<b>1.4</b>

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

<sup>a</sup> 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, 2023; IPUMS-USA, n.d.; U.S. Census Bureau, n.d.-a; Zvavitch et al., 2024