



ELIGIBLE UNINSURED AFRICAN AMERICANS: 6 IN 10 COULD RECEIVE HEALTH INSURANCE MARKETPLACE TAX CREDITS, MEDICAID OR CHIP

December 9, 2013 By Emily R. Gee

Under the Affordable Care Act, 6.8 million eligible uninsured African Americans will have access to new options for health care coverage starting January 1, 2014.¹ Six in ten, or 4.2 million, of these eligible uninsured African Americans may qualify either for tax credits to purchase coverage in the Health Insurance Marketplace (2.2 million) or for Medicaid or the Children's Health Insurance Program (CHIP) (2.0 million). If all states were to expand Medicaid, 95 percent of all eligible uninsured African Americans would be eligible for Marketplace tax credits, Medicaid, or CHIP.

Of the 41.3 million uninsured nonelderly U.S. citizens and others lawfully residing in the United States (a group referred to as "eligible uninsured" in this brief), 6.8 million people or one in six (16 percent) are African American. African Americans are uninsured at a higher rate than the U.S. population overall; 16 percent of all nonelderly U.S. citizens and others lawfully residing are uninsured, while the comparable proportion among eligible African Americans is 20 percent.

¹ ASPE tabulations from the CY 2011 American Community Survey Public Use Microdata Sample (ACS PUMS) are adjusted to exclude estimated undocumented persons based on ASPE's TRIM3 microsimulation model. All references to eligible uninsured in this brief use these tabulations. See the methodology section for more information about eligibility to purchase coverage in the Marketplace, see https://www.healthcare.gov/immigration-status-and-the-marketplace/. The estimates contained in this brief do not take into account certain Marketplace coverage and Medicaid/CHIP eligibility requirements, such as those relating to other minimum essential coverage or tax filing requirements, and thus the populations described in this brief should be construed as "potentially" eligible, subject to these other requirements. Also, the statutory threshold for Medicaid expansion set by the Affordable Care Act is 133 percent of the FPL, not 138 percent of the FPL. This brief refers throughout to 138 percent of the FPL, which is the effective threshold including the 5 percent statutory disregard.

<u>Location</u> — The five states with the greatest number of eligible uninsured African Americans are:

- Florida 677,000 (10 percent of all eligible uninsured African Americans),
- Georgia 631,000 (9 percent),
- Texas 617,000 (9 percent),
- North Carolina 380,000 (6 percent), and
- New York 354,000 (5 percent).

The greater Atlanta, New York, Chicago, Dallas, Houston, and Detroit metropolitan areas are home to one-fifth (21 percent) of eligible uninsured African Americans (see Table 4). Approximately 15 percent of eligible uninsured African Americans live outside a metropolitan area, a lower proportion than among the eligible uninsured population overall (19 percent).

<u>Gender</u> — More men than women are uninsured in the United States. This is also the case for African Americans. Among eligible uninsured African Americans, less than half, or 44 percent (3.0 million) are women.

<u>Age</u> — Young adults are a disproportionately large share of the uninsured relative to their share of the general population. They are the age group most likely to be without health insurance coverage in the U.S.² The same is true among young African Americans: young adults ages 18 to 35 account for nearly half (3.2 million; 47 percent) of the African American eligible uninsured but only 30 percent of the eligible African American population overall. Of the 3.2 million eligible uninsured African Americans ages 18 to 35, 1.3 million (41 percent) are women and 1.9 million (59 percent) are men.

<u>Employment</u> — Most (73 percent) of eligible uninsured Americans live in households with at least one full-time worker. Similarly, six in ten (61 percent) eligible uninsured African Americans have at least one full-time worker in the family.

<u>Education</u> — About one-fifth (19 percent) of eligible uninsured African Americans did not earn a high school diploma, 71 percent have a high school diploma, and an additional 9 percent hold a college degree. Among all eligible uninsured Americans nationwide (41.3 million), 20 percent do not have a high school diploma, 68 percent have a high school diploma, and 12 percent hold a college degree.

<u>Language</u> — Nearly all (97 percent) of eligible uninsured African Americans report that they speak English as a first language or at least "very well" as a second language. Among those who do not, the most common language is French Creole, which is spoken by among 1 percent of eligible uninsured African Americans.

² For the most up to date information on the demographic characteristics of the uninsured, including by age and gender, see a summary of the Census Bureau's Current Population Survey released in September 2013 at http://aspe.hhs.gov/health/reports/2013/CPSIssueBrief/ib_cps.cfm.

<u>Income</u> — More than half (3.8 million; 55 percent) of all eligible uninsured African Americans have family incomes³ below 100 percent of the Federal Poverty Level (FPL), and nearly two-thirds of these people (2.4 million) live in states that are not expanding Medicaid. This means that more than one in three eligible uninsured African Americans may not gain access to affordable coverage through Medicaid in 2014 because their state declined to take the federally funded option to expand Medicaid eligibility.

Approximately 4.4 million eligible uninsured African Americans have family incomes at or below 138 percent of the FPL, the threshold for qualifying for Medicaid in expansion states. Of these 4.4 million, 1.5 million live in Medicaid expansion states.⁴

Table 1: Distribution of Eligible Uninsured African Americans by Family Income

	Medicaid Expansion States	Non- Expansion States	All States ⁵
Number of States	26	25	51
<i>All</i> Eligible African Americans ⁶	14,164,000	20,083,000	34,248,000
Eligible Uninsured African Americans	2,372,000	4,448,000	6,820,000
By Family Income as Percent of the Federal Poverty Level (FPL)	Medicaid Expansion States	Non- Expansion States	All States
100% FPL or Less	1,317,000	2,456,000	3,773,000
101% to 138% FPL	205,000	485,000	691,000
139% to 400% FPL	688,000	1,295,000	1,983,000
Above 400% FPL	162,000	212,000	374,000

³ For family income, a "family" is based on the "health insurance unit" (HIU), which includes adults, their spouses, and their dependent children (ages 0-18, plus full-time students under age 23), using ASPE analysis of the ACS PUMS data.

⁴ Our analysis assumes that the following 25 states plus the District of Columbia expand their Medicaid programs: Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Hawaii, Illinois, Iowa, Kentucky, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Jersey, New Mexico, New York, North Dakota, Ohio, Oregon, Rhode Island, Vermont, Washington, and West Virginia.

⁵ The sum of expansion and non-expansion state estimates may not equal the stated total for all states due to rounding.

⁶ Estimates in this row are for all nonelderly (ages 0 to 64) African American who are U.S. citizens or lawfully residing in the United States.

African Americans and the Marketplace

Each state has a Health Insurance Marketplace where consumers can shop for and purchase health insurance coverage. In states that are expanding Medicaid, individuals and families with household incomes from 138 to 400 percent of the FPL may be eligible for tax credits to make health insurance even more affordable. In states that do not expand Medicaid, those with family incomes between 100 and 400 percent of FPL may qualify for tax credits.

Of the 2.6 million uninsured African Americans eligible to purchase Marketplace plans, 2.2 million—or nearly 9 in 10 (26 percent)—may qualify for a premium tax credit for Marketplace coverage (see Table 2).⁷ The estimated 2.6 million Marketplace-eligible uninsured include 762,000 eligible uninsured African American adults (ages 19 and older) in Medicaid expansion states with incomes above 138 percent of the FPL, 1.7 million eligible uninsured in the remaining 25 non-expansion states with incomes above 100 percent of the FPL, and 117,000 eligible uninsured African American children from all states with family incomes above 250 percent of the FPL.⁸

Table 5 contains examples of premiums before and after tax credits are applied.

African Americans and Medicaid

Many uninsured African Americans may be eligible for coverage through Medicaid or the Children's Health Insurance Program (CHIP) at little or no cost. About 1.4 million eligible uninsured African American adults (21 percent of all eligible uninsured African Americans) who reside in states expanding their Medicaid programs may be eligible for Medicaid coverage. Additionally, approximately 615,000 eligible uninsured African American children ages 0 to 18 have family incomes at or below 250 percent of FPL and may be eligible for coverage under Medicaid/CHIP (see Table 2).

More than 2.2 million African American adults live in states that are not expanding Medicaid and have family incomes below 100 percent of the FPL. If all states were to expand Medicaid, 95 percent of all eligible uninsured African Americans would be eligible for Marketplace tax credits, Medicaid, or CHIP.

⁷ We define Marketplace-tax-credit-eligible individuals in this analysis as uninsured U.S. citizens and others lawfully residing in the area served by the Marketplace who are adults (ages 19 to 64) with family incomes above 138 percent to 400 percent of the FPL in Medicaid expansion states and above 100 percent to 400 percent of the FPL in non-expansion states or who are children (ages 0 to 18) with incomes 250 percent to 400 percent of the FPL.

⁸ We make the simplifying assumption in this analysis that all children with incomes below 250 percent of the FPL would be eligible for Medicaid/CHIP rather than the Marketplace.

Table 2: Number and Percentage of Eligible Uninsured African Americans Who May Qualify for Marketplace Tax Credits, Medicaid, or CHIP

	Medicaid Expansion States	Non- Expansion States	All States ⁹
Eligible uninsured African Americans	2,372,000	4,448,000	6,820,000
	34.8%	65.2%	100.0%
Uninsured African Americans who may be	801,000	1,795,000	2,596,000
eligible for Marketplace	11.7%	26.3%	38.1%
Eligible uninsured African Americans who may	639,000	1,583,000	2,222,000
qualify for Marketplace Premium Tax Credits	9.4%	23.2%	32.6%
Eligible uninsured African Americans who may	1,396,000	N/A ¹⁰	1,396,000
qualify for Medicaid (age 19 to 64)	20.5%		20.5%
Eligible uninsured African Americans who may	175,000	440,000	615,000
qualify for or Medicaid/CHIP (age 0 to 18)	2.6%	6.5%	9.0%

African Americans by Location

<u>By State</u> — As noted earlier, eligible uninsured African Americans are generally concentrated in Southern states. Nearly two-fifths (38 percent) live in Florida, Georgia, Louisiana, North Carolina, and Texas. Table 3 shows the number of eligible African Americans and those who are uninsured in all 50 states and the District of Columbia.

⁹ The sum of expansion and non-expansion state estimates may not equal the stated total for all states due to rounding.

¹⁰ In non-expansion states, some eligible uninsured may currently qualify for Medicaid and are not enrolled, and such individuals are not included in our analysis. For expansion states, our estimate of the eligible uninsured who may qualify for Medicaid includes both the current and the newly eligible.

Table 3: Number of Eligible Uninsured African Americans by State

State	Total Eligible African American Population	Eligible Uninsured African Americans	Percent of Eligible African Americans Who Are Uninsured	Eligible Uninsured African Americans as Percent of U.S. Total	
Alabama	1,157,000	226,000	19.6%	3.3%	
Alaska	20,000	3,000	14.9%	0.0%	
Arizona	229,000	50,000	21.8%	0.7%	
Arkansas	421,000	84,000	19.9%	1.2%	
California	1,914,000	335,000	17.5%	4.9%	
Colorado	176,000	32,000	18.3%	0.5%	
Connecticut	303,000	32,000	10.5%	0.5%	
Delaware	171,000	18,000	10.4%	0.3%	
District of Columbia	260,000	26,000	10.1%	0.4%	
Florida	2,563,000	677,000	26.4%	9.9%	
Georgia	2,716,000	631,000	23.2%	9.2%	
Hawaii	23,000	2,000	6.8%	0.0%	
Idaho	7,000	1,000	14.2%	0.0%	
Illinois	1,650,000	339,000	20.6%	5.0%	
Indiana	529,000	122,000	23.1%	1.8%	
Iowa	76,000	14,000	17.8%	0.2%	
Kansas	145,000	28,000	19.4%	0.4%	
Kentucky	318,000	77,000	24.3%	1.1%	
Louisiana	1,336,000	340,000	25.4%	5.0%	
Maine	15,000	1,000	6.5%	0.0%	
Maryland	1,505,000	183,000	12.2%	2.7%	
Massachusetts	356,000	25,000	7.0%	0.4%	
Michigan	1,238,000	241,000	19.5%	3.5%	
Minnesota	248,000	38,000	15.3%	0.6%	
Mississippi	1,023,000	241,000	23.6%	3.5%	
Missouri	612,000	130,000	21.3%	1.9%	
Montana	3,000	2,000	53.1%	0.0%	
Nebraska	72,000	15,000	21.3%	0.2%	
Nevada	189,000	44,000	23.3%	0.6%	
New Hampshire	11,000	2,000	21.9%	0.0%	
New Jersey	981,000	161,000	16.4%	2.4%	
New Mexico	31,000	4,000	12.3%	0.1%	
New York	2,454,000	354,000	14.4%	5.2%	
North Carolina	1,856,000	380,000	20.5%	5.6%	
North Dakota	5,000	1,000	12.3%	0.0%	
Ohio	1,239,000	233,000	18.8%	3.4%	

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State	Total Eligible African American Population	Eligible Uninsured African Americans	Percent of Eligible African Americans Who Are Uninsured	Eligible Uninsured African Americans as Percent of U.S. Total
Oklahoma	252,000	64,000	25.2%	0.9%
Oregon	61,000	12,000	19.5%	0.2%
Pennsylvania	1,172,000	201,000	17.2%	2.9%
Rhode Island	48,000	8,000	16.6%	0.1%
South Carolina	1,170,000	263,000	22.4%	3.9%
South Dakota	9,000	2,000	27.2%	0.0%
Tennessee	981,000	193,000	19.7%	2.8%
Texas	2,683,000	617,000	23.0%	9.0%
Utah	27,000	5,000	17.0%	0.1%
Vermont	4,000	1,000	12.8%	0.0%
Virginia	1,394,000	246,000	17.7%	3.6%
Washington	212,000	42,000	19.9%	0.6%
West Virginia	51,000	16,000	32.4%	0.2%
Wisconsin	326,000	58,000	17.7%	0.8%
Wyoming	5,000	1,000	19.9%	0.0%
United States	34,248,000	6,820,000	19.9%	100.0%

<u>By Metropolitan Area</u> — Eligible uninsured African Americans are concentrated in certain metropolitan areas as shown in Table 4, which lists the top 20 metropolitan statistical areas by the number of eligible uninsured African Americans. Four in ten of the nation's eligible uninsured African Americans live in one of these 20 metropolitan areas.

Table 4: Top 20 Metropolitan Statistical Areas by Number of Eligible Uninsured African Americans

Rank	Metropolitan Statistical Area (MSA)	Eligible Uninsured African Americans in MSA	Eligible Uninsured African Americans in State	MSA Eligible Uninsured African Americans as Percent of State Total	MSA Eligible Uninsured African Americans as Percent of U.S. Total
1	Atlanta, GA	332,000	631,000	52.6%	4.9%
2	New York-Northeastern NJ, NY portion only	276,000	354,000	77.9%	4.0%
3	Chicago, IL	263,000	339,000	77.6%	3.9%
4	Dallas-Fort Worth, TX	198,000	617,000	32.1%	2.9%
5	Houston-Brazoria, TX	196,000	617,000	31.8%	2.9%
6	Detroit, MI	166,000	241,000	68.8%	2.4%
7	Los Angeles-Long Beach, CA	137,000	335,000	41.0%	2.0%
8	Miami-Hialeah, FL	121,000	677,000	17.8%	1.8%
9	Philadelphia, PA portion only	120,000	201,000	59.9%	1.8%
10	Fort Lauderdale-Hollywood-Pompano Beach, FL	111,000	677,000	16.5%	1.6%
11	New York-Northeastern NJ, NJ portion only	100,000	161,000	62.3%	1.5%
12	Memphis, TN/AR/MS	89,000	193,000	46.0%	1.3%
13	Baltimore, MD	86,000	183,000	46.7%	1.3%
14	New Orleans, LA	83,000	340,000	24.6%	1.2%
15	Norfolk-Virginia Beach-Newport News, VA	82,000	246,000	33.2%	1.2%
16	Washington, DC; MD portion only	80,000	183,000	43.7%	1.2%
17	Orlando, FL	80,000	677,000	11.8%	1.2%
18	St. Louis, MO-IL	74,000	130,000	57.2%	1.1%
19	Charlotte-Gastonia-Rock Hill, NC portion only	70,000	380,000	18.3%	1.0%
20	Tampa-St. Petersburg-Clearwater, FL	66,000	677,000	9.8%	1.0%
TOTAL	Top 20 MSAs (and respective 15 states) ¹¹	2,731,000	5,028,000	54.3%	40.0%

¹¹ The 15-state total is based on the 15 states corresponding to the top 20 MSAs listed in the table, not the 15 states by greatest number of eligible uninsured African Americans.

Table 5: Examples of Marketplace Monthly Premiums after Tax Credit

This table includes premiums for two illustrative groups, a single 27-year-old and a family of four, in major metropolitan areas in selected states with large eligible uninsured African American populations. For example, in Jefferson County, Alabama, which includes the city of Birmingham, a 27-year-old with income of \$25,000 could purchase a bronze plan for as little as \$104 per month after the tax credit. If a city spans more than one county, the premiums below are for the county which covers a larger area of the city.

		Premium for a 27-Year-Old		Premium for a 27-Year-Old 27-Year-Old with an Income of \$25,000				Family of Four with an Income of \$50,000 ¹²			
					Second	Second		Second	Second		
					Lowest	Lowest	Lowest	Lowest	Lowest	Lowest	
					Silver	Silver	Bronze	Silver	Silver	Bronze	
					Before	After	After	Before	After	After	
		Lowest	Lowest	Lowest	Tax	Tax	Tax	Tax	Tax	Tax	
City, State	County	Bronze	Silver	Catastrophic	Credit	Credit	Credit	Credit	Credit	Credit ¹³	
Birmingham, AL	Jefferson	\$170	\$209	\$140	\$211	\$145	\$104	\$714	\$282	\$144	
Los Angeles, CA ¹⁴	L.A. (north)	\$153	\$182	\$122	\$207	\$145	\$92	\$698	\$282	\$102	
Los Aligeles, CA	L.A. (south)	\$172	\$198	\$148	\$212	\$145	\$105	\$717	\$282	\$147	
San Francisco, CA	San Francisco	\$182	\$251	\$169	\$306	\$145	\$21	\$1,033	\$282	\$0	
Washington, DC		\$124	\$178	\$72	\$181	\$145	\$88	\$711	\$282	\$60	
Fort Lauderdale, FL	Broward	\$128	\$174	\$86	\$199	\$145	\$74	\$674	\$282	\$41	
Jacksonville, FL	Duval	\$137	\$186	\$92	\$210	\$145	\$72	\$709	\$282	\$36	
Miami, FL	Miami-Dade	\$163	\$202	\$109	\$221	\$145	\$87	\$746	\$282	\$86	
Orlando, FL	Orange	\$182	\$207	\$141	\$225	\$145	\$102	\$761	\$282	\$136	
Tampa, FL	Hillsborough	\$167	\$189	\$129	\$199	\$145	\$113	\$673	\$282	\$173	
West Palm Beach, FL	Palm Beach	\$147	\$167	\$109	\$220	\$145	\$72	\$744	\$282	\$36	

¹² For the purposes of this analysis, a family of four is defined as two 30-year-old adults and two children.

¹⁴ Los Angeles County is split into two rating areas for Marketplace premiums.

¹³ Net of tax credits, bronze premiums for a family of four may be below those for a single individual and may be as low as 0. This occurs because the tax credit is calculated as the difference between the cost of the second lowest cost silver plan premium and the maximum payment amount determined by income. Because premiums for older individuals and families are higher than those for younger individuals, tax credits are larger for older individuals and families. Therefore, using tax credits to purchase a bronze plan may yield lower bronze premiums for older individuals.

		Premium for a 27-Year-Old			Premium for a 27-Year-Old with an Income of \$25,000				n Income	Family of Four with an Income of \$50,000 ¹²			
					Second Lowest	Second Lowest	Lowest	Second Lowest	Second Lowest	Lowest			
					Silver	Silver	Bronze	Silver	Silver	Bronze			
		Lowest	Lowest	Lowest	Before Tax	After Tax	After Tax	Before Tax	After Tax	After Tax			
City, State	County	Bronze	Silver	Catastrophic	Credit	Credit	Credit	Credit	Credit	Credit ¹³			
Atlanta, GA	Fulton	\$166	\$188	\$127	\$205	\$145	\$105	\$694	\$282	\$148			
Chicago, IL	Cook	\$125	\$172	\$141	\$174	\$145	\$96	\$586	\$282	\$117			
Indianapolis, IN	Marion	\$223	\$278	\$190	\$290	\$145	\$78	\$980	\$282	\$54			
New Orleans, LA	Orleans	\$170	\$242	\$160	\$255	\$145	\$60	\$861	\$282	\$0			
Baltimore, MD	Baltimore	\$129	\$175	¹⁵	\$197	\$145	\$78	\$664	\$282	\$55			
Detroit, MI	Wayne	\$138	\$156	\$105	\$184	\$145	\$99	\$621	\$282	\$126			
St. Louis, MO	St. Louis	\$147	\$196	\$100	\$216	\$145	\$76	\$730	\$282	\$48			
Jackson, MS	Hinds	\$199	\$226	\$150	\$336	\$145	\$8	\$1,135	\$282	\$0			
Charlotte, NC	Mecklenburg	\$183	\$247	\$115	\$251	\$145	\$77	\$849	\$282	\$53			
Greensboro, NC	Guilford	\$167	\$224	\$105	\$228	\$145	\$84	\$771	\$282	\$76			
Raleigh, NC	Wake	\$161	\$221	\$101	\$222	\$145	\$84	\$750	\$282	\$77			
Newark, NJ	Essex	\$230	\$260	\$186	\$264	\$145	\$110	\$892	\$282	\$165			
New York, NY	New York	\$308	\$359	\$184	\$390	\$145	\$63	\$1,112	\$282	\$49			
Cleveland, OH	Cuyahoga	\$152	\$201	\$121	\$204	\$145	\$93	\$688	\$282	\$107			
Philadelphia, PA	Philadelphia	\$195	\$210	\$171	\$246	\$145	\$94	\$831	\$282	\$109			
Memphis, TN	Shelby	\$117	\$152	\$113	\$159	\$145	\$103	\$536	\$282	\$141			
Dallas, TX	Dallas	\$153	\$217	\$196	\$223	\$145	\$74	\$754	\$282	\$44			
Houston, TX	Houston	\$133	\$189	\$172	\$195	\$145	\$83	\$658	\$282	\$74			
Norfolk, VA	Norfolk	\$174	\$223	\$152	\$228	\$145	\$91	\$770	\$282	\$100			
Richmond, VA	Richmond	\$173	\$227	\$151	\$229	\$145	\$89	\$775	\$282	\$93			

¹⁵ Information on the lowest-price catastrophic plan in the Baltimore metro area was not readily available.

Methodological Overview and Study Limitations

This analysis is based on ASPE analysis of the 2011 American Community Survey Public Use Microdata Sample (ACS PUMS), the best source for obtaining information about the current characteristics of the uninsured population at the state level and for smaller demographic groups. ASPE tabulations from the ACS PUMS have been adjusted to exclude estimated undocumented persons based on ASPE's TRIM3 microsimulation model (http://trim.urban.org).¹⁶

The smallest geographic unit defined in the ACS PUMS is the Census-defined public-use microdata area (PUMA). To obtain metropolitan area estimates, we assigned PUMAs to metropolitan statistical areas based on a crosswalk created from the University of Minnesota's Integrated Public Use Microdata Series.¹⁷

Our methodology for examples of plan premiums is described in detail in an earlier ASPE brief titled "Health Insurance Marketplace Premiums for 2014." The full text is available online at http://aspe.hhs.gov/health/reports/2013/MarketplacePremiums/ib_marketplace_premiums.cfm. Complete plan data for some states is available at https://www.healthcare.gov/health-plan-information/, and the remaining premium data was obtained from state Marketplace sources.

For family incomes used to estimate Marketplace and Medicaid eligibility, the "family" is defined as the "health insurance unit" (HIU). HIUs include adults plus their spouses and dependent children (ages 0 to 18, plus full-time students under age 23) living in the household, based on ASPE analysis of the ACS PUMS data.

The estimate of uninsured Medicaid-eligible adults is the number of adults age 19 older who have family (HIU) incomes below 138 percent of the FPL and live in one of the 25 Medicaid expansion states or the District of Columbia. Although the statutory threshold for Medicaid expansion set by the Affordable Care Act is 133 percent of the FPL, this brief uses 138 percent of the FPL, which is the effective threshold when the 5 percent statutory disregard is included.

We made the simplifying assumption that children in families with incomes at or below 250 percent of FPL are eligible for CHIP, and children in families with incomes between 250 percent and 400 percent of the FPL are eligible for Marketplace coverage with premium tax credits. We recognize that states have different maximum income standards for CHIP eligibility.

¹⁶ The adjustment methodology is based on imputations of immigrant legal status in ASPE's TRIM3 microsimulation model (http://trim.urban.org/), according to methods initially developed by Jeffrey Passel and Rebecca Clark.

¹⁷ The Integrated Public Use Microdata Series (Version 5.0) was developed by Steven Ruggles, J. Trent Alexander, Katie Genadek, Ronald Goeken, Matthew B. Schroeder, and Matthew Sobek at the University of Minnesota. Available online: https://usa.ipums.org/usa/index.shtml.