



2017 Health insurance coverage estimates

SHADAC Webinar Featuring U.S. Census Bureau Experts

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Presenters



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SHADAC



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U.S. Census Bureau



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U.S. Census Bureau



CPS and ACS

Current Population Survey (CPS)

- 2017 estimates released September 12, 2018

American Community Survey (ACS)

- 2017 estimates released September 13, 2018

Design Differences

	CPS	ACS
Method	Survey of civilian non-institutionalized population	Survey of U.S. population (including group quarters)
Annual housing units interviewed	About 60,000	About 2.15 million
Geography	Nation, states	Nation, states, sub-state
Mode	Phone and in-person	Mail, phone, in-person, and internet
Uninsurance: Measure	Uninsured all year Point-in-time (beginning in 2013)	Point-in-time
Uninsurance: Years available	1987 to 2017 February - April 2018	2008 to 2017

Guidance on When to Use Each Source

	CPS	ACS
Trends	✓ 1987 to 2012 2013 forward	✓ 2008 forward
State estimates	✓	✓
Sub-state estimates	N/A	✓ 1-yr for pop > 65,000 5-yr for all geographic areas including: All counties Zip-code tabulation areas
Small sub-populations	N/A	✓

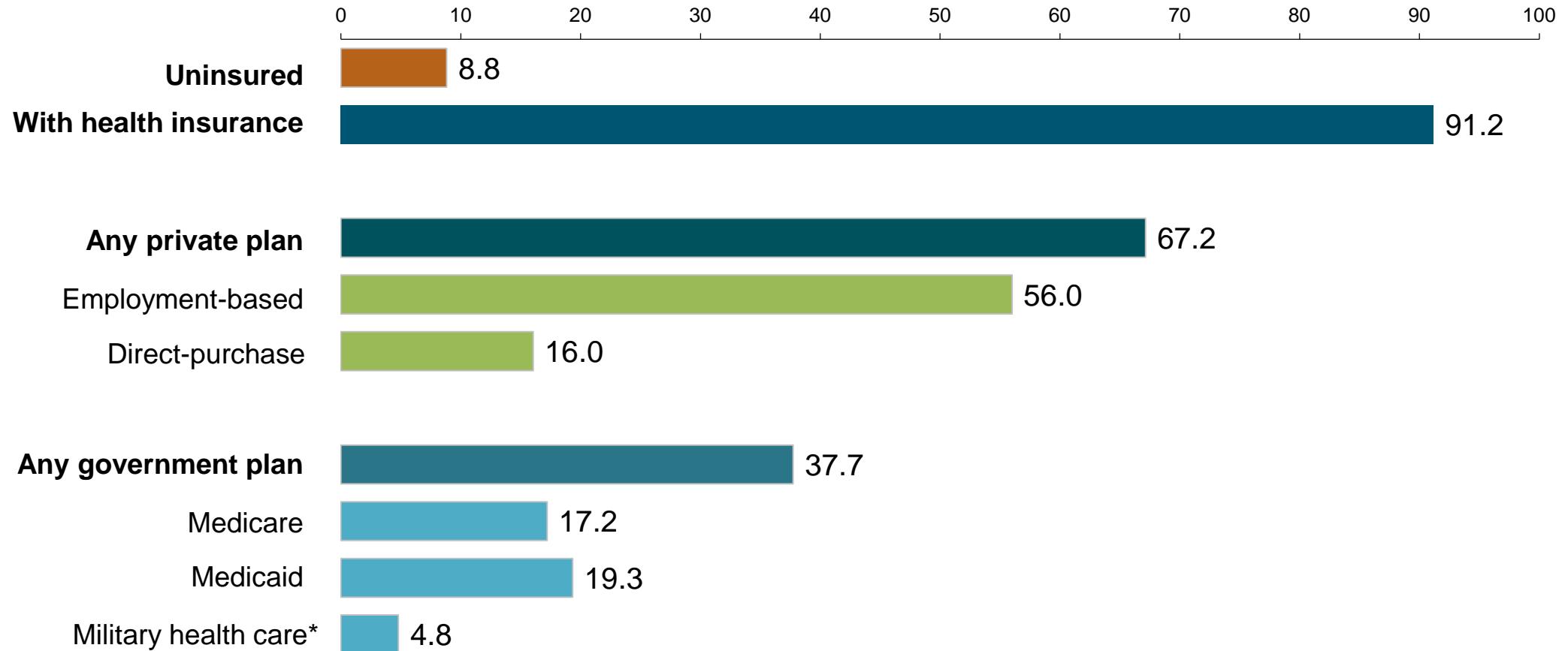
CPS and ACS estimates



Highlights:

- The percentage of people without health insurance coverage for the entire calendar year was 8.8 percent, or 28.5 million people.
- The uninsured rate and number of uninsured in 2017 were not statistically different from 2016.
- Between 2016 and 2017, the uninsured rate decreased in 3 states and increased in 14 states.

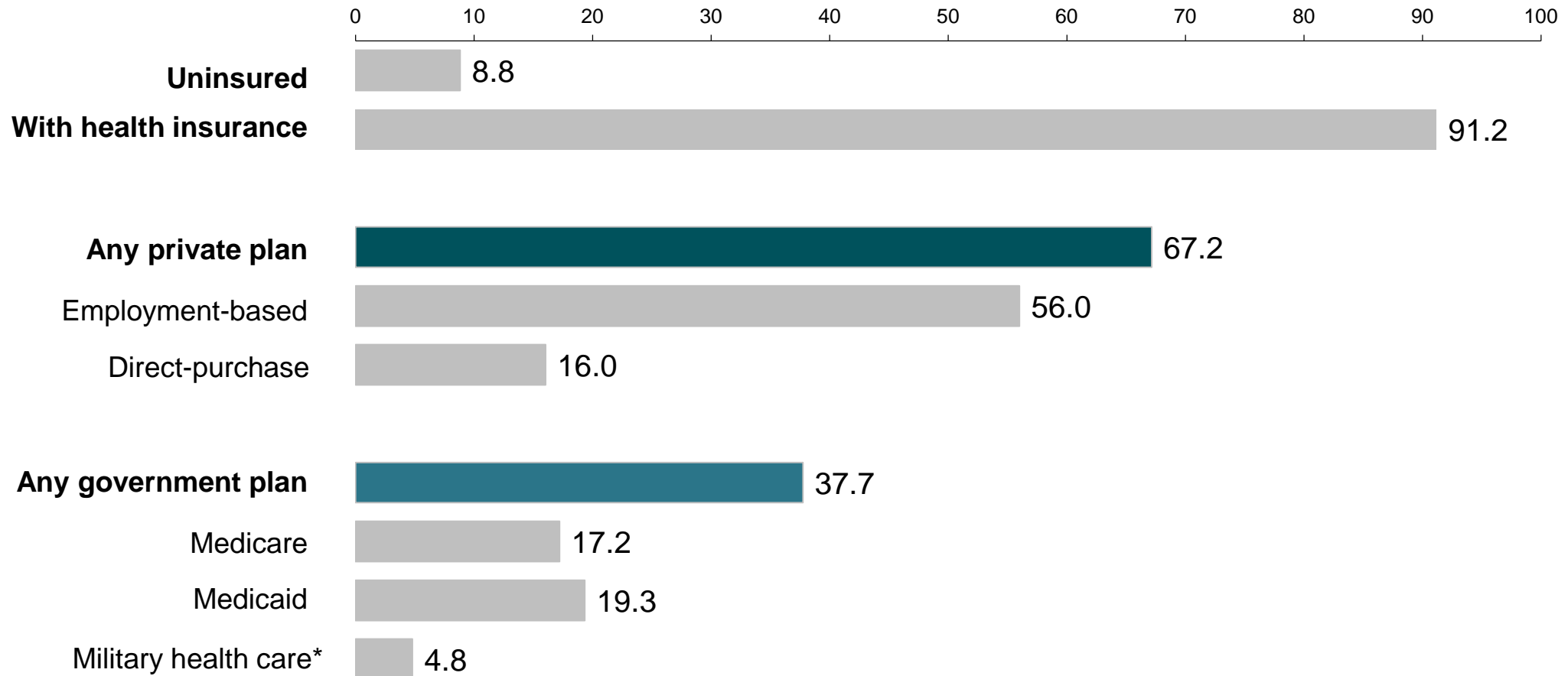
Percentage of People by Type of Coverage: 2017



*Military health care includes TRICARE and CHAMPVA (Civilian Health and Medical Program of the Department of Veterans Affairs) as well as care provided by the Department of Veterans Affairs and the military.

Source: U.S. Census Bureau, Current Population Survey, 2018 Annual Social and Economic Supplement.

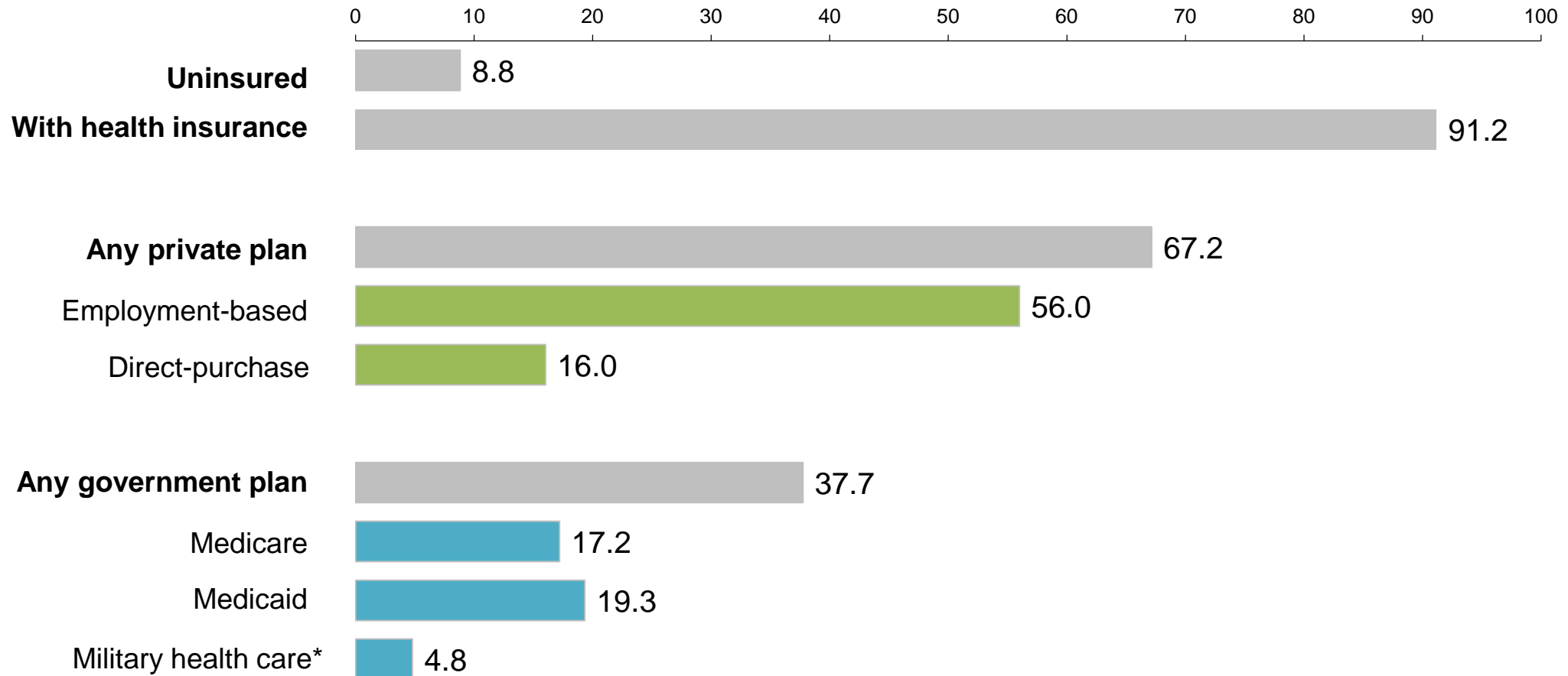
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Source: U.S. Census Bureau, Current Population Survey, 2018 Annual Social and Economic Supplement.

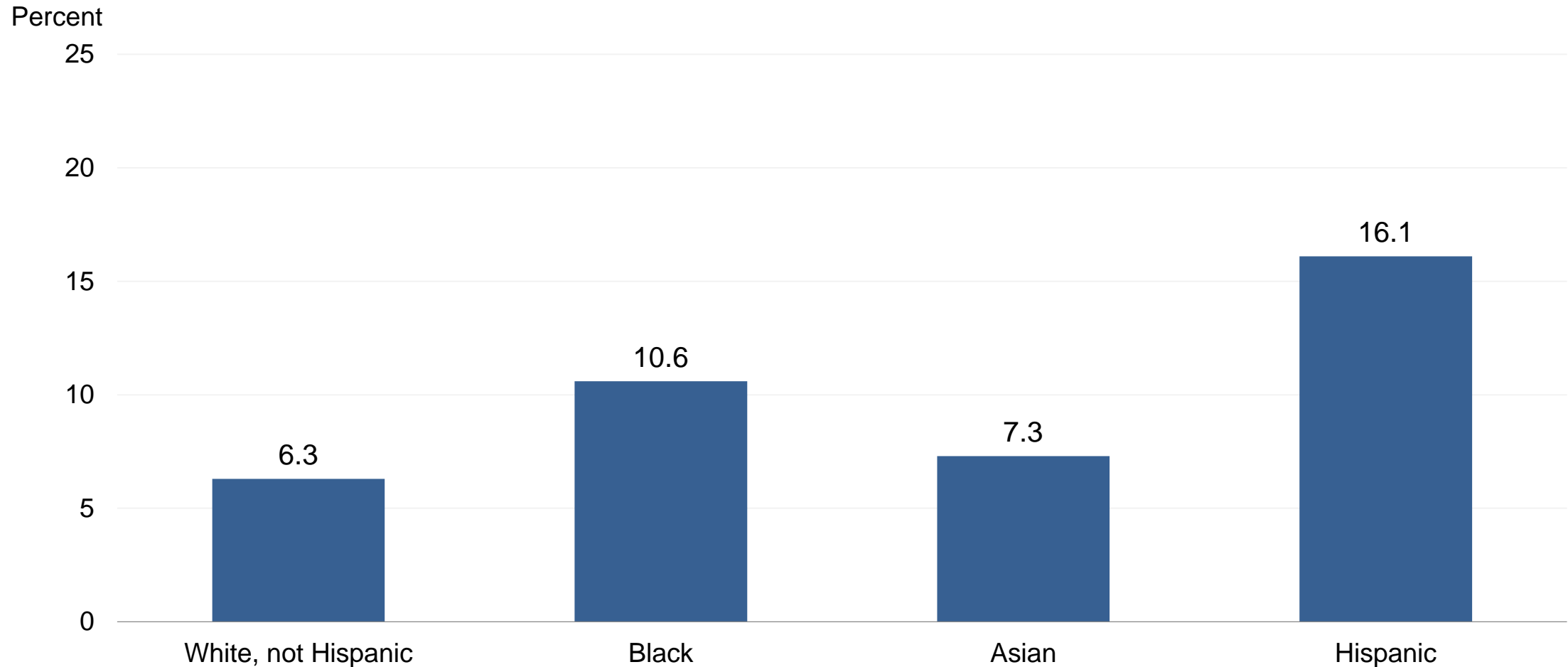
Percentage of People by Type of Coverage: 2017



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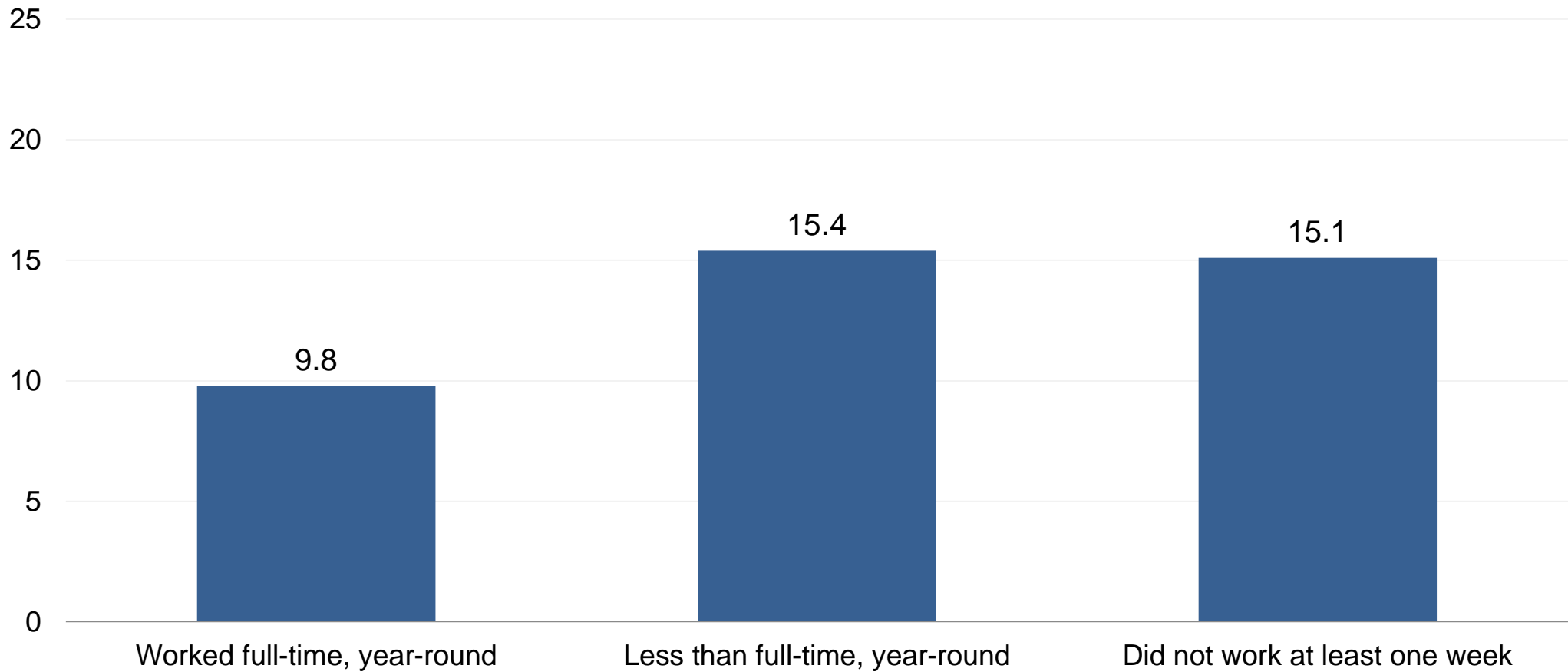
Uninsured Rate by Race and Hispanic Origin: 2017



Source: U.S. Census Bureau, Current Population Survey, 2018 Annual Social and Economic Supplement.

Uninsured Rate by Work Experience, Ages 19 to 64: 2017

Percent



Uninsured Rate by Household Income: 2017

Percent

25

20

15

10

5

0

13.9
Less than
\$25,000

12.3
\$25,000 to
\$49,999

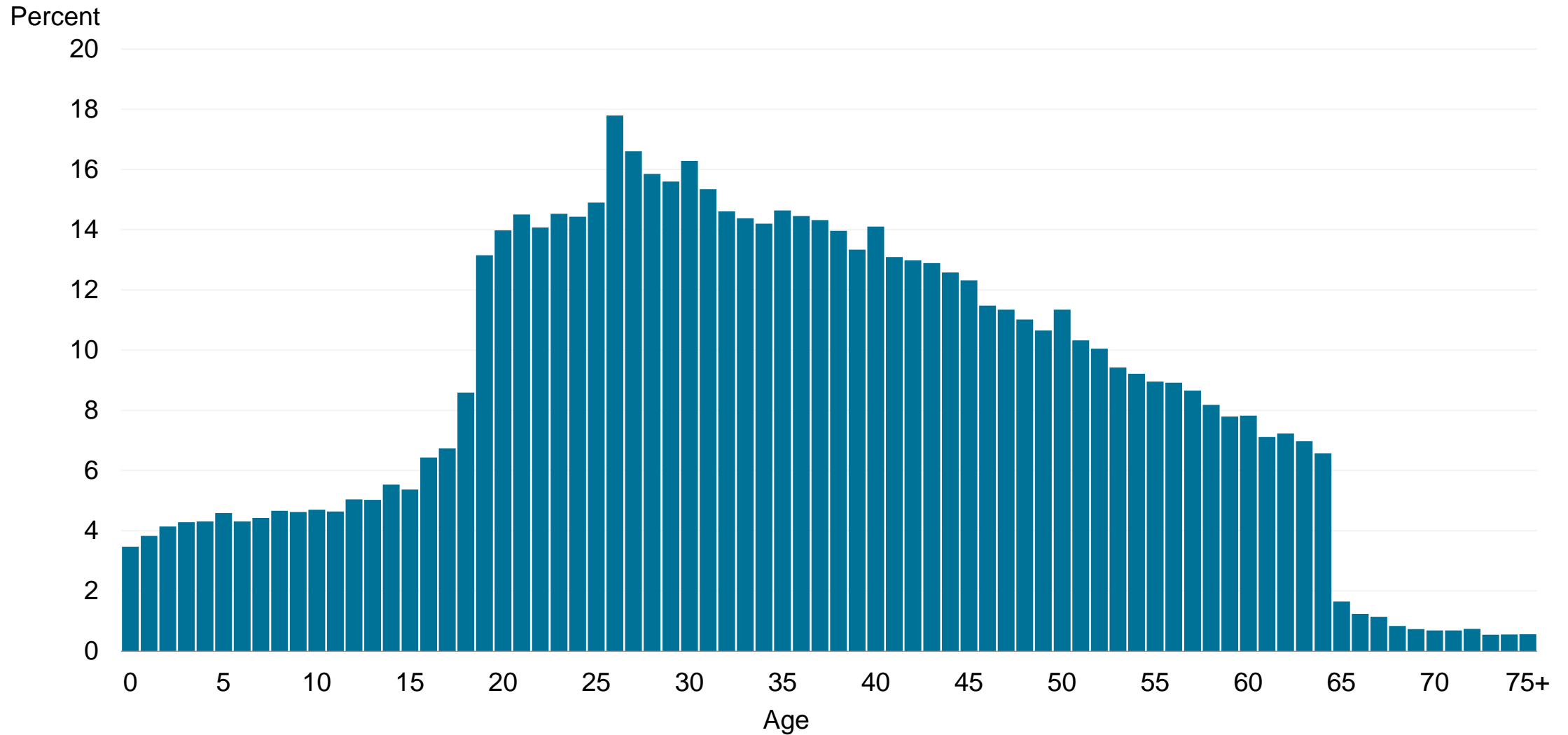
10.4
\$50,000 to
\$74,999

7.9
\$75,000 to
\$99,999

5.4
\$100,000 to
\$124,999

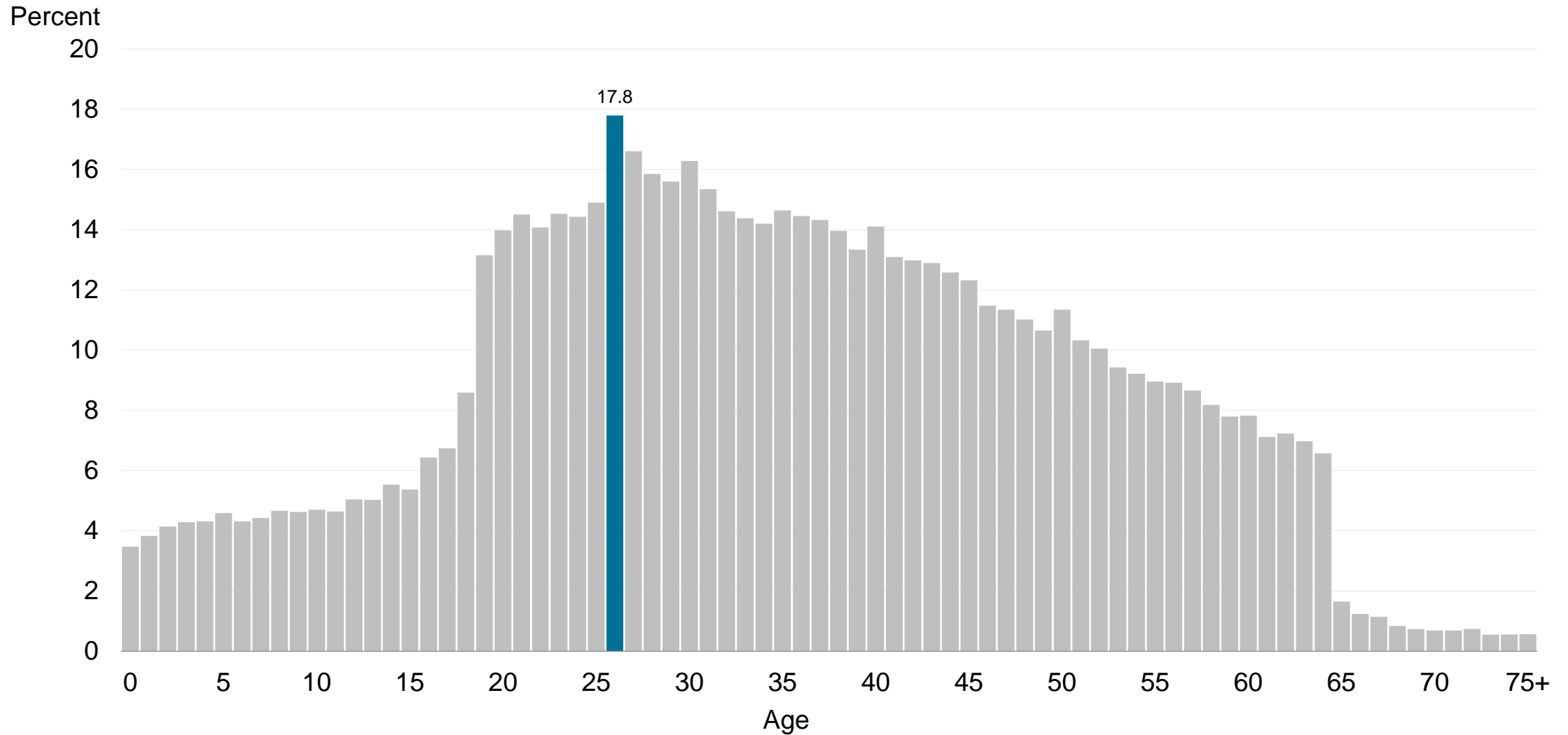
4.3
\$125,000
or more

Uninsured Rate by Single Year of Age: 2017



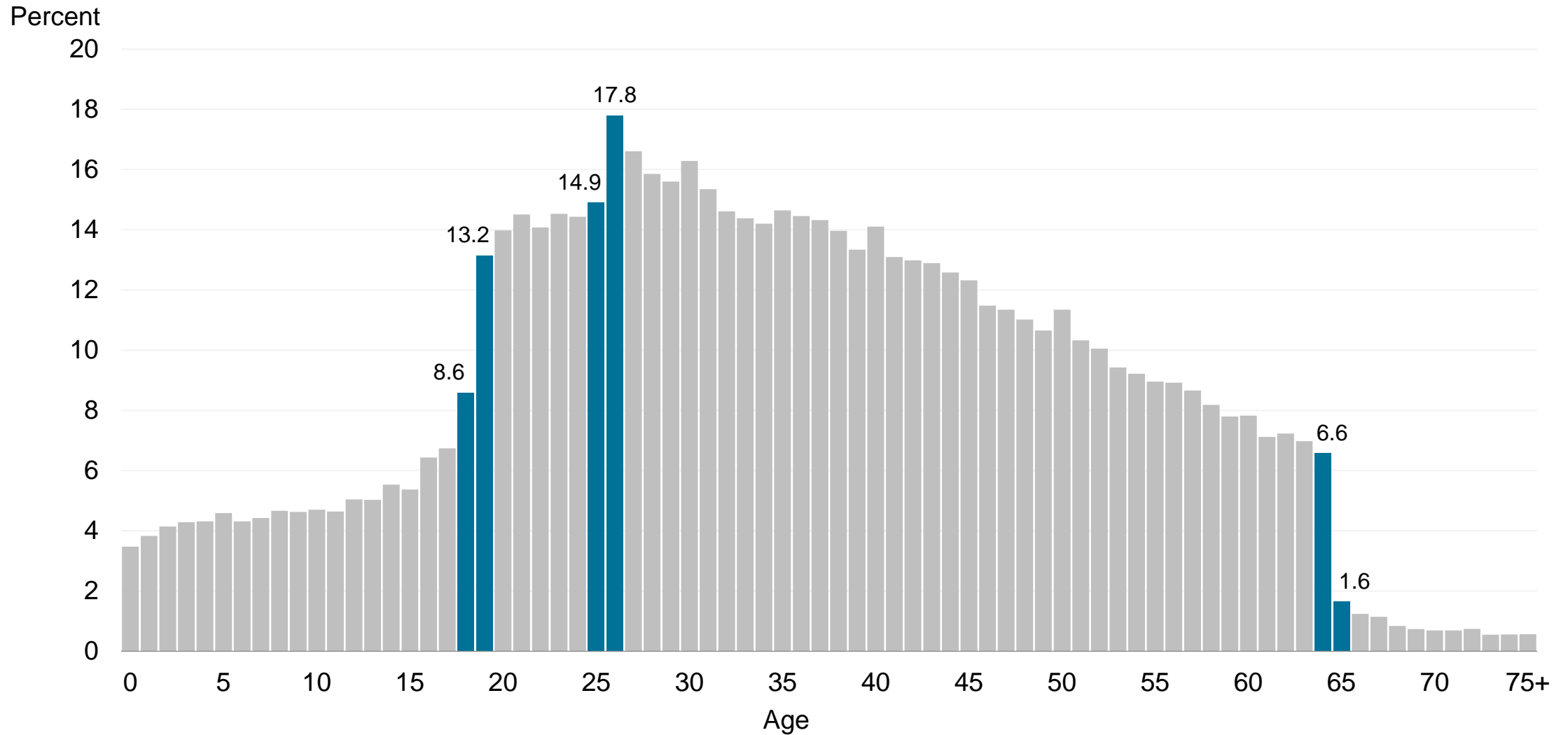
Source: U.S. Census Bureau, 2017 1-Year American Community Survey.

Uninsured Rate by Single Year of Age: 2017



Source: U.S. Census Bureau, 2017 1-Year American Community Survey.

Uninsured Rate by Single Year of Age: 2017

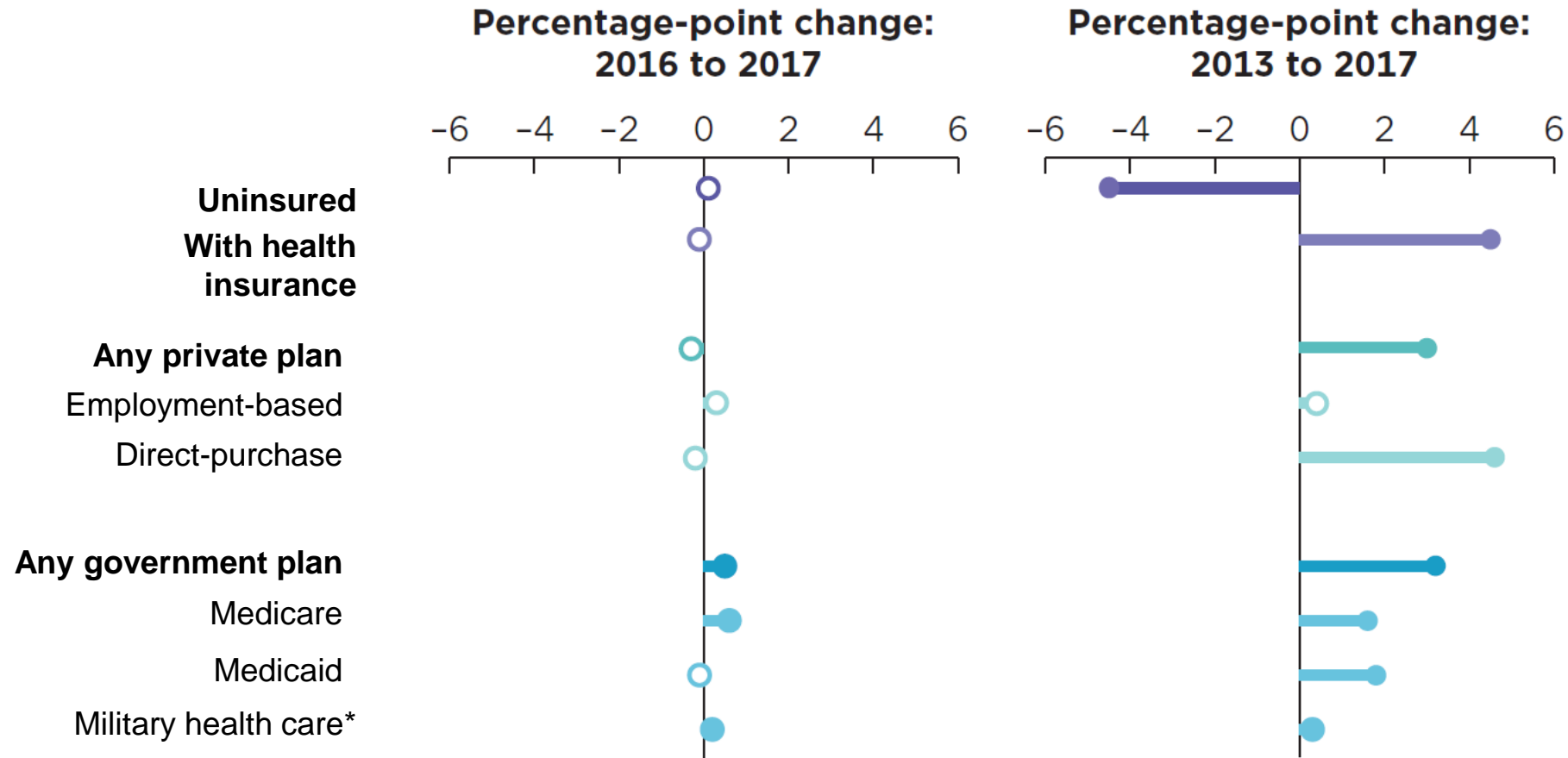


Source: U.S. Census Bureau, 2017 1-Year American Community Survey.

Changes in the Rate of Health Insurance Coverage Reflect:

- Economic trends
- Demographic shifts
- Policy changes, such as the Affordable Care Act (ACA)

Change in Percentage of People by Type of Health Insurance Coverage: 2013 to 2017

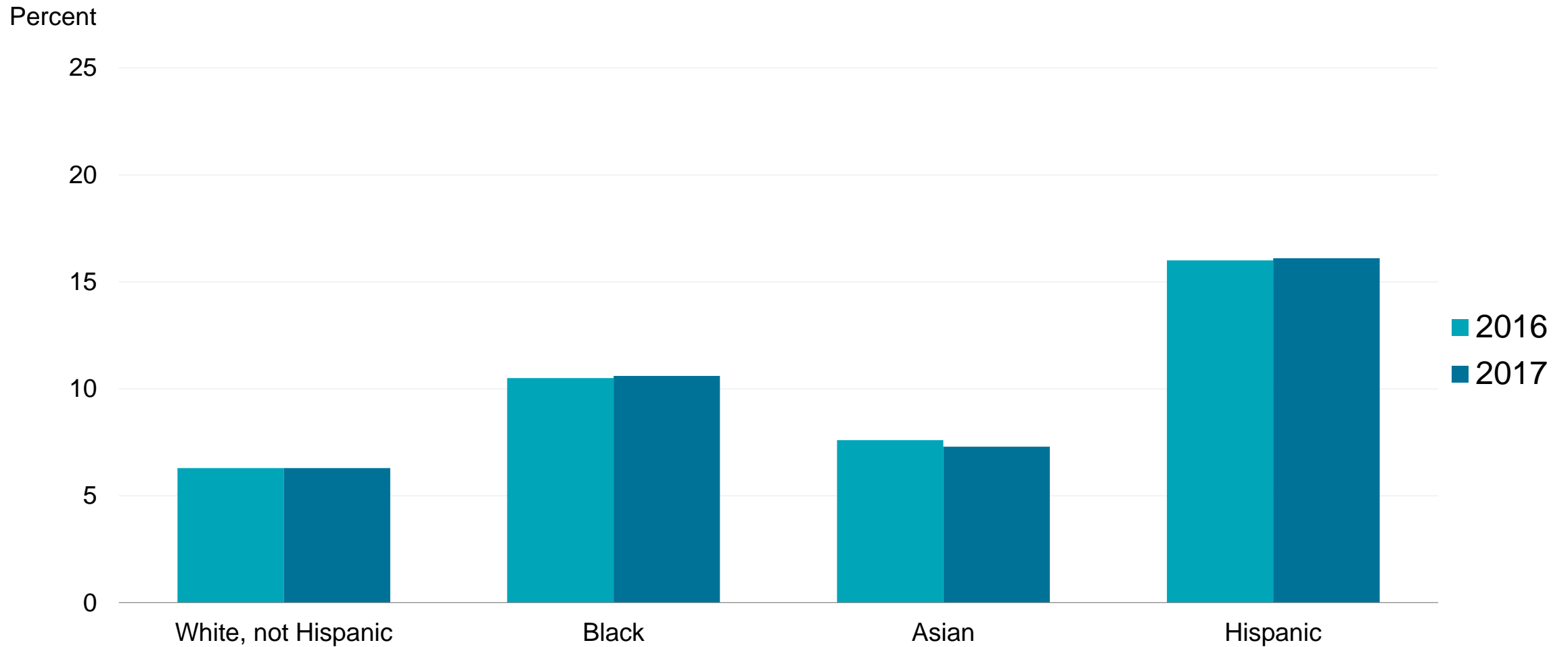


○ Changes between the estimates are not statistically different from zero at the 90 percent confidence level.

*Military health care includes TRICARE and CHAMPVA (Civilian Health and Medical Program of the Department of Veterans Affairs) as well as care provided by the Department of Veterans Affairs and the military.

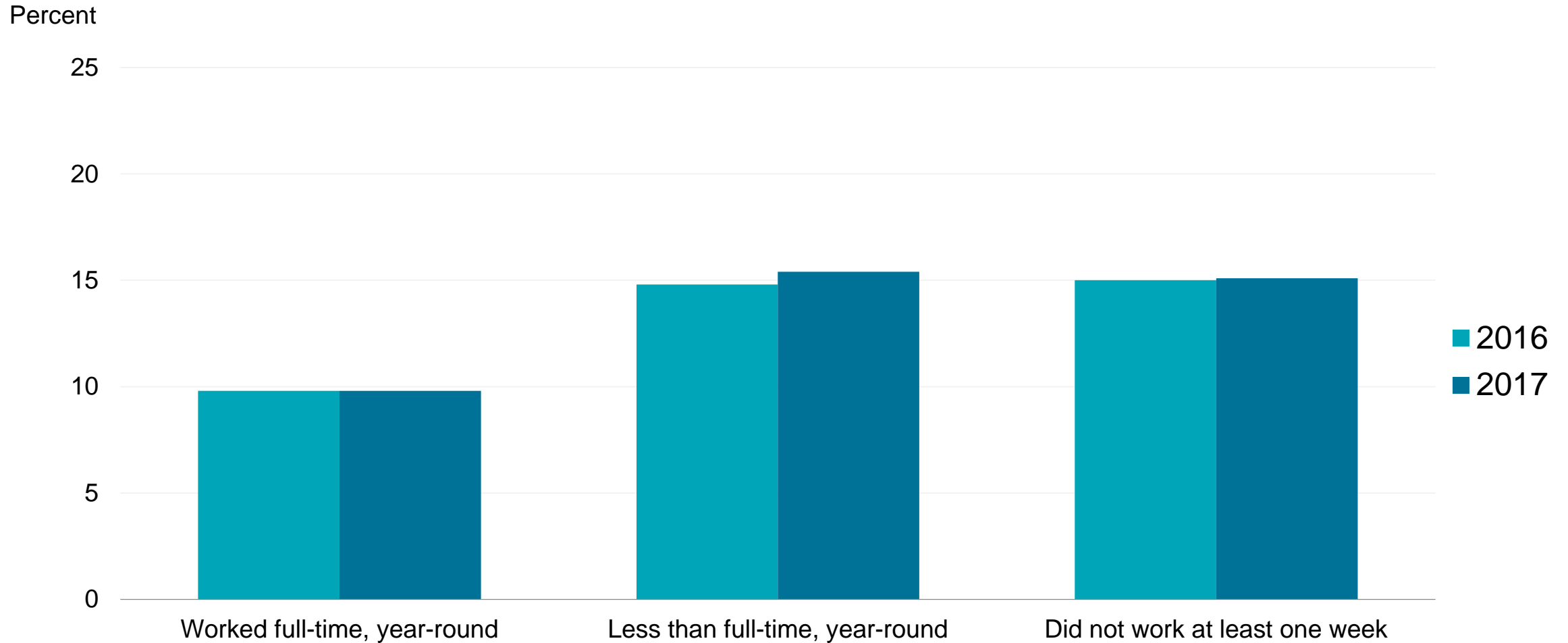
Source: U.S. Census Bureau, Current Population Survey, 2014, 2017, and 2018 Annual Social and Economic Supplements.

Uninsured Rate by Race and Hispanic Origin: 2016 and 2017



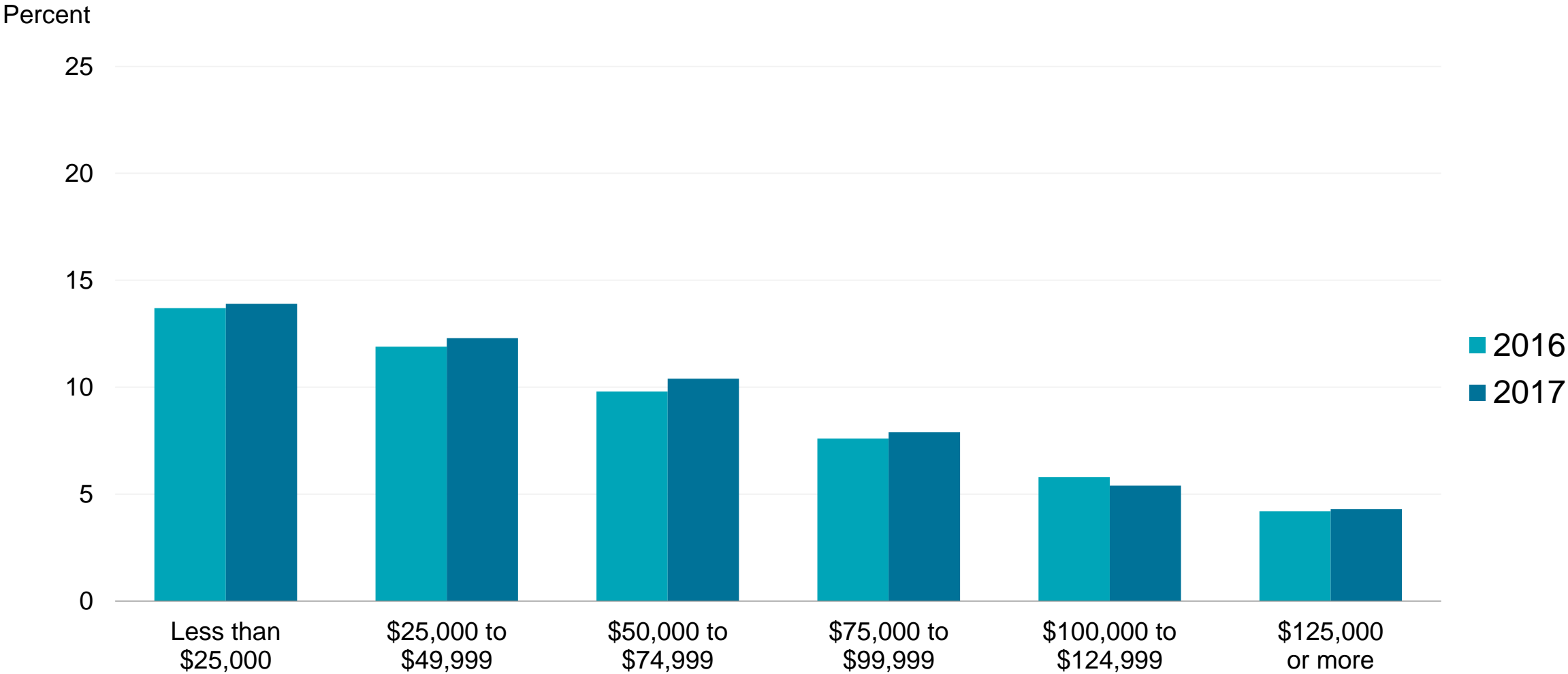
Source: U.S. Census Bureau, Current Population Survey, 2018 Annual Social and Economic Supplement.

Uninsured Rate by Work Experience, Ages 19 to 64 Years: 2016 and 2017



Source: U.S. Census Bureau, Current Population Survey, 2018 Annual Social and Economic Supplement.

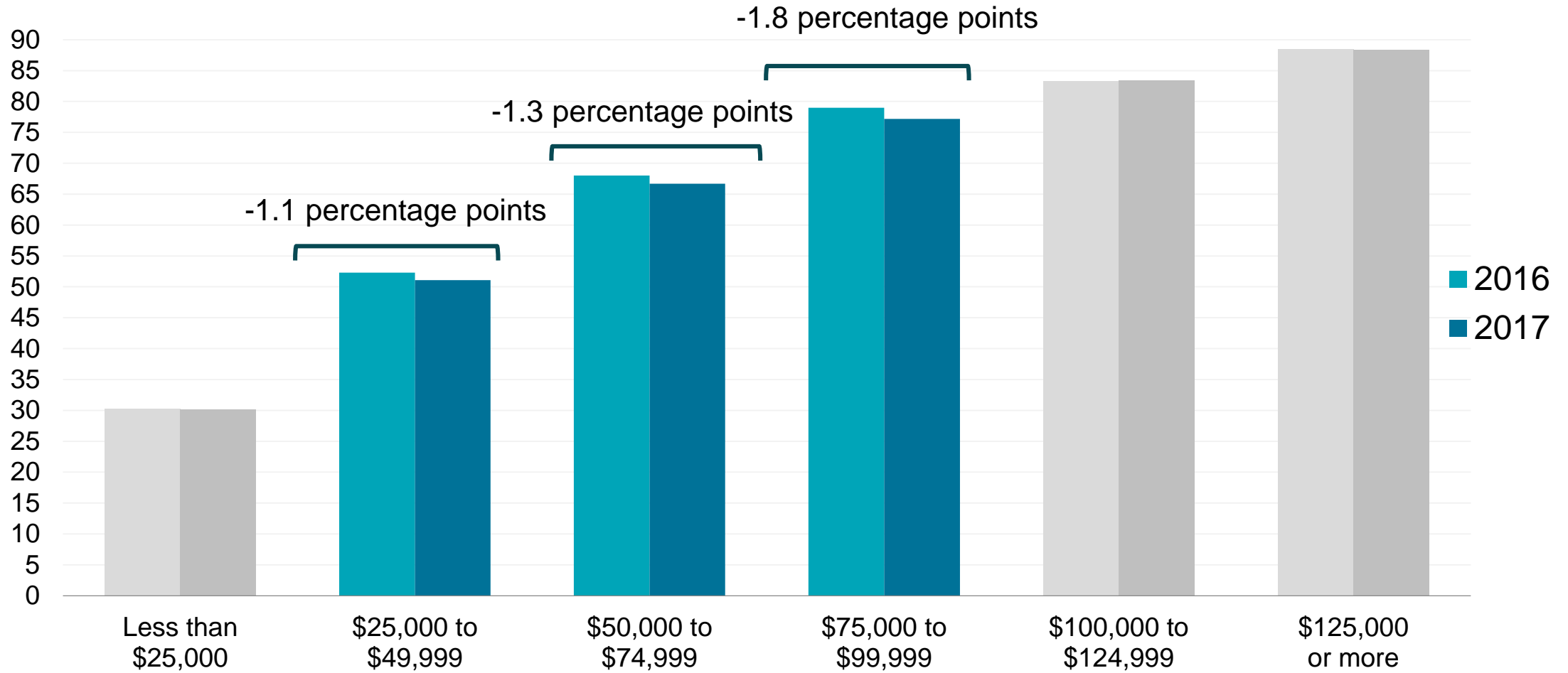
Uninsured Rate by Household Income: 2016 and 2017



Source: U.S. Census Bureau, Current Population Survey, 2018 Annual Social and Economic Supplement.

Private Coverage Rate by Household Income: 2016 and 2017

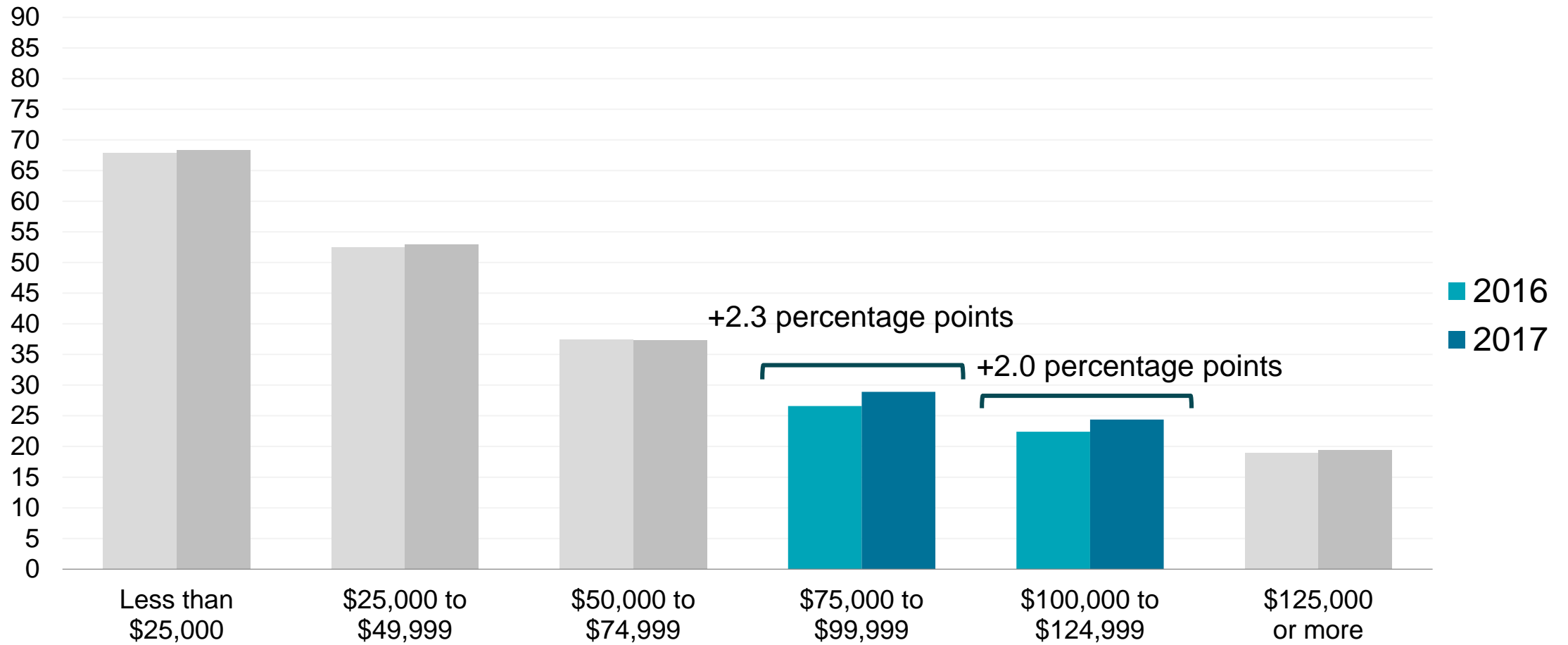
Percent



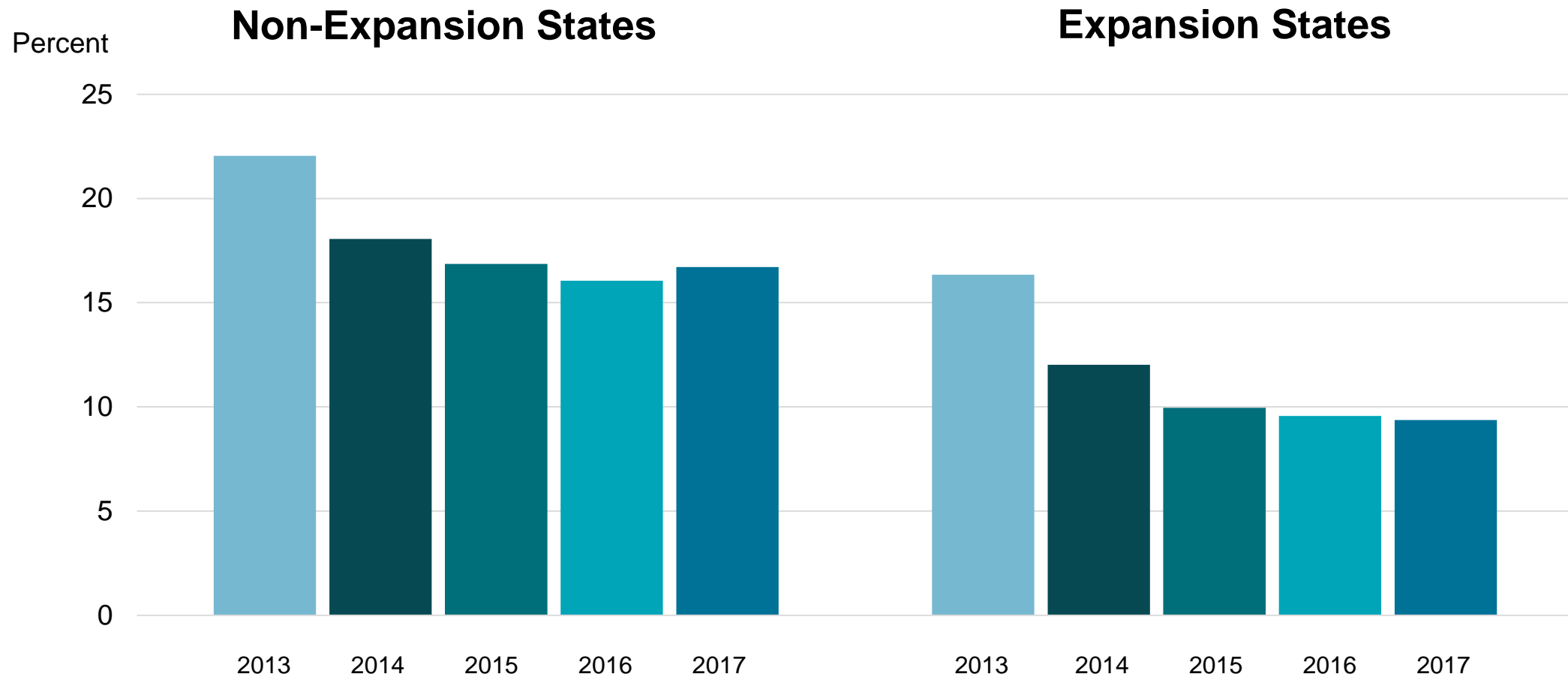
Source: U.S. Census Bureau, Current Population Survey, 2017 and 2018 Annual Social and Economic Supplements.

Government Coverage Rate by Household Income: 2016 and 2017

Percent



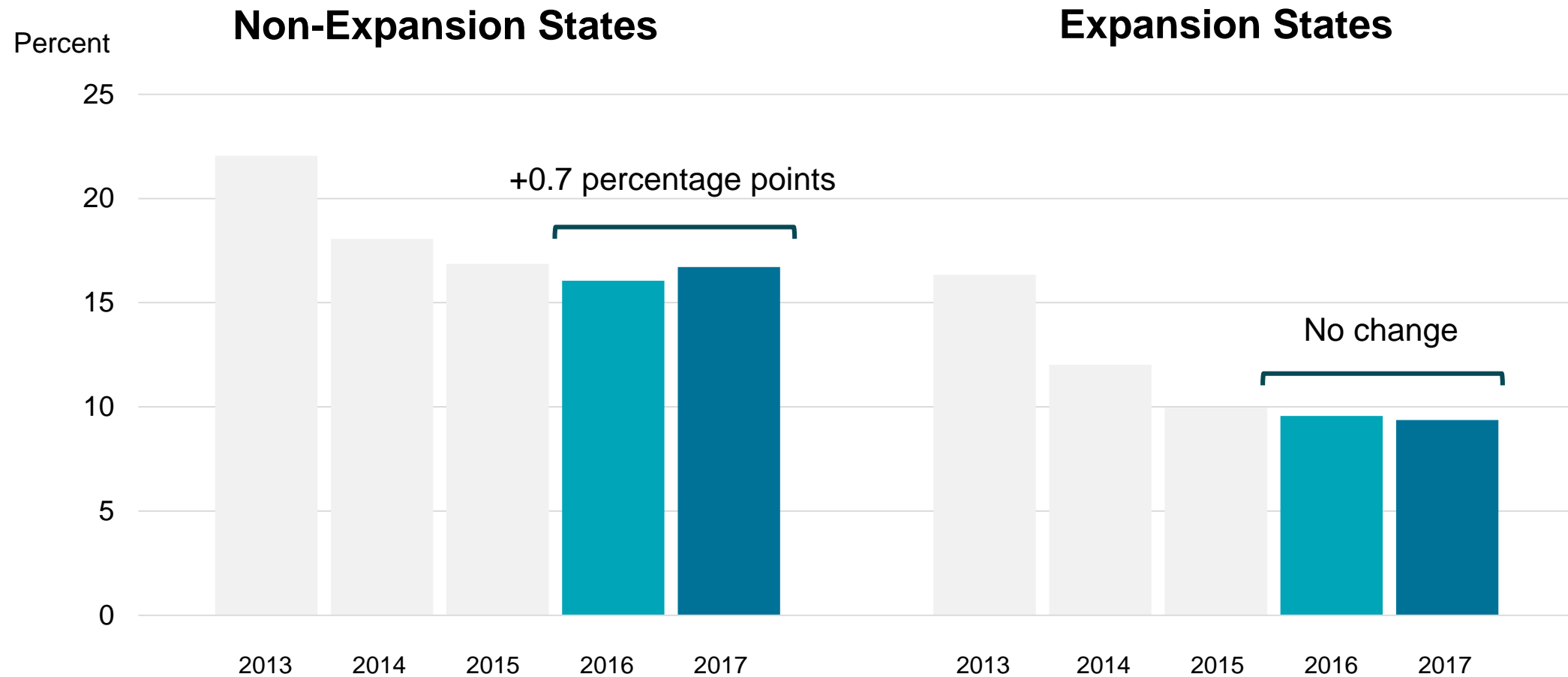
Uninsured Rate by States' Medicaid Expansion Status Adults Aged 19 to 64: 2013 to 2017



Expansion status as of January 1, 2017.

Source: U.S. Census Bureau, Current Population Survey, 2014-2018 Annual Social and Economic Supplements.

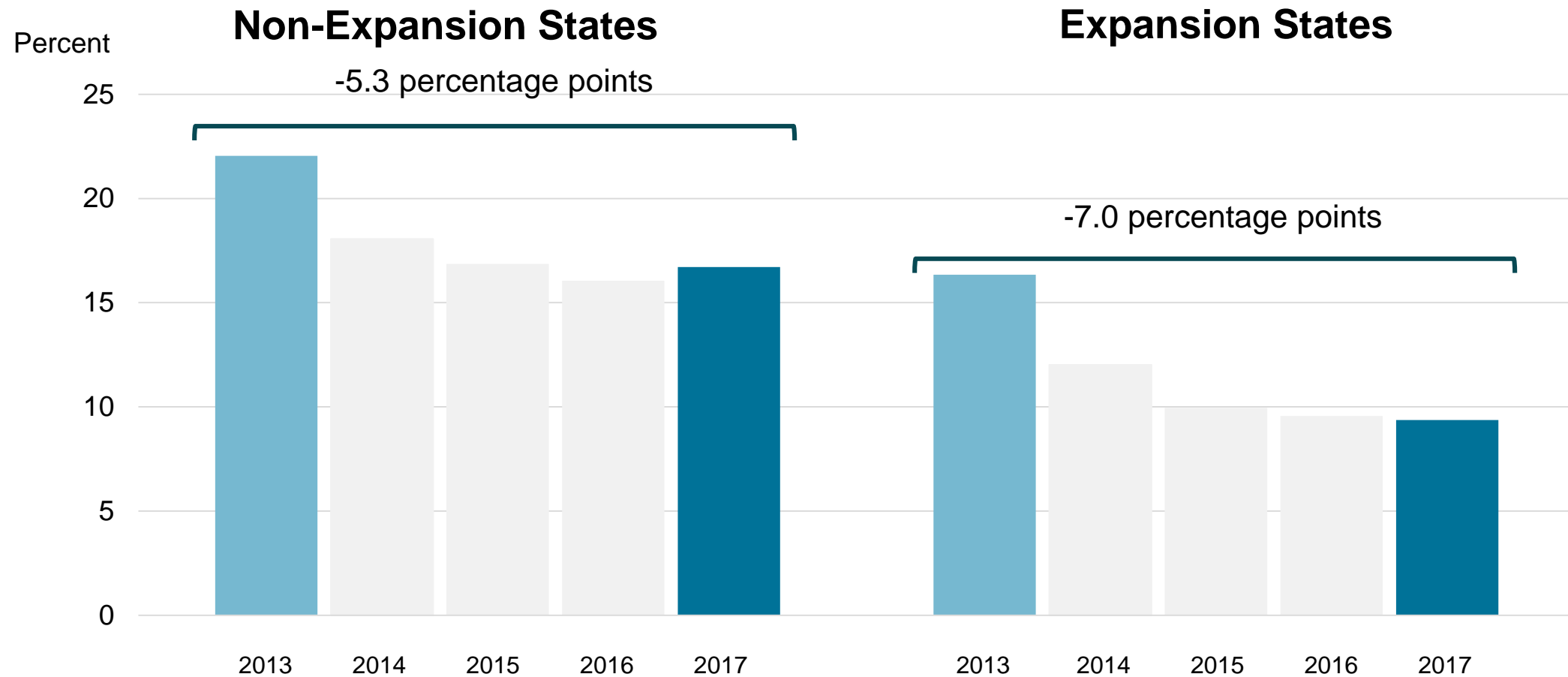
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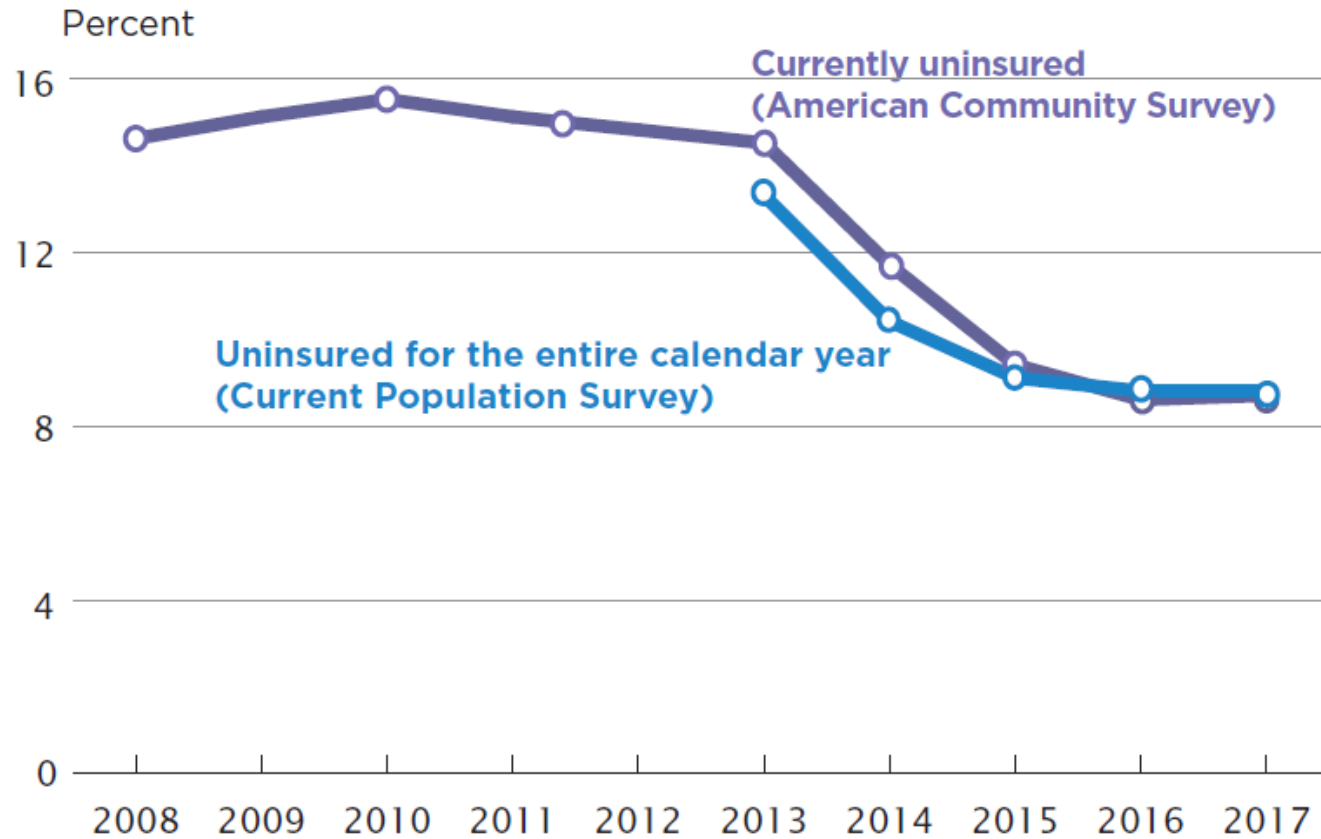


Expansion status as of January 1, 2017.

Source: U.S. Census Bureau, Current Population Survey, 2014-2018 Annual Social and Economic Supplements.

Two Measures of Health Insurance

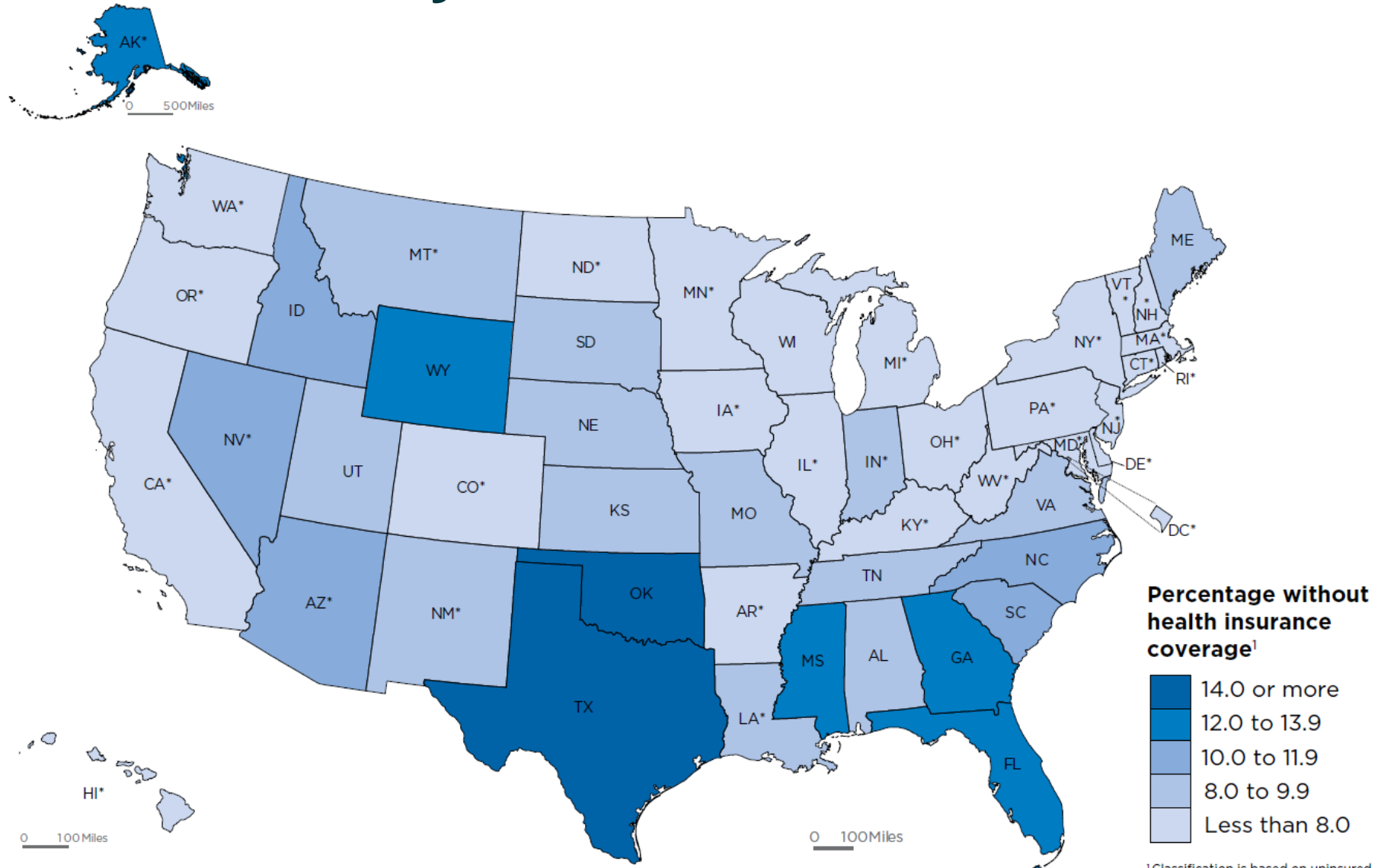
Uninsured Rate: 2008 to 2017



Note: Estimates are for the civilian noninstitutionalized population. For the Current Population Survey, estimates reflect the population as of March of the following year. For information on confidentiality protection, sampling error, nonsampling error, and definitions in the Current Population Survey, see <www2.census.gov/programs-surveys/cps/techdocs/cpsmar18.pdf>. For the American Community Survey, estimates reflect the population as of July of the calendar year. For information on confidentiality protection, sampling error, nonsampling error, and definitions in the American Community Survey, see <www2.census.gov/programs-surveys/acs/tech_docs/accuracy/ACS_Accuracy_of_Data_2017.pdf>.

Source: U.S. Census Bureau, Current Population Survey, 2014 to 2018 Annual Social and Economic Supplements and 2008 to 2017 American Community Survey, 1-Year Estimates.

Uninsured Rate by State: 2017

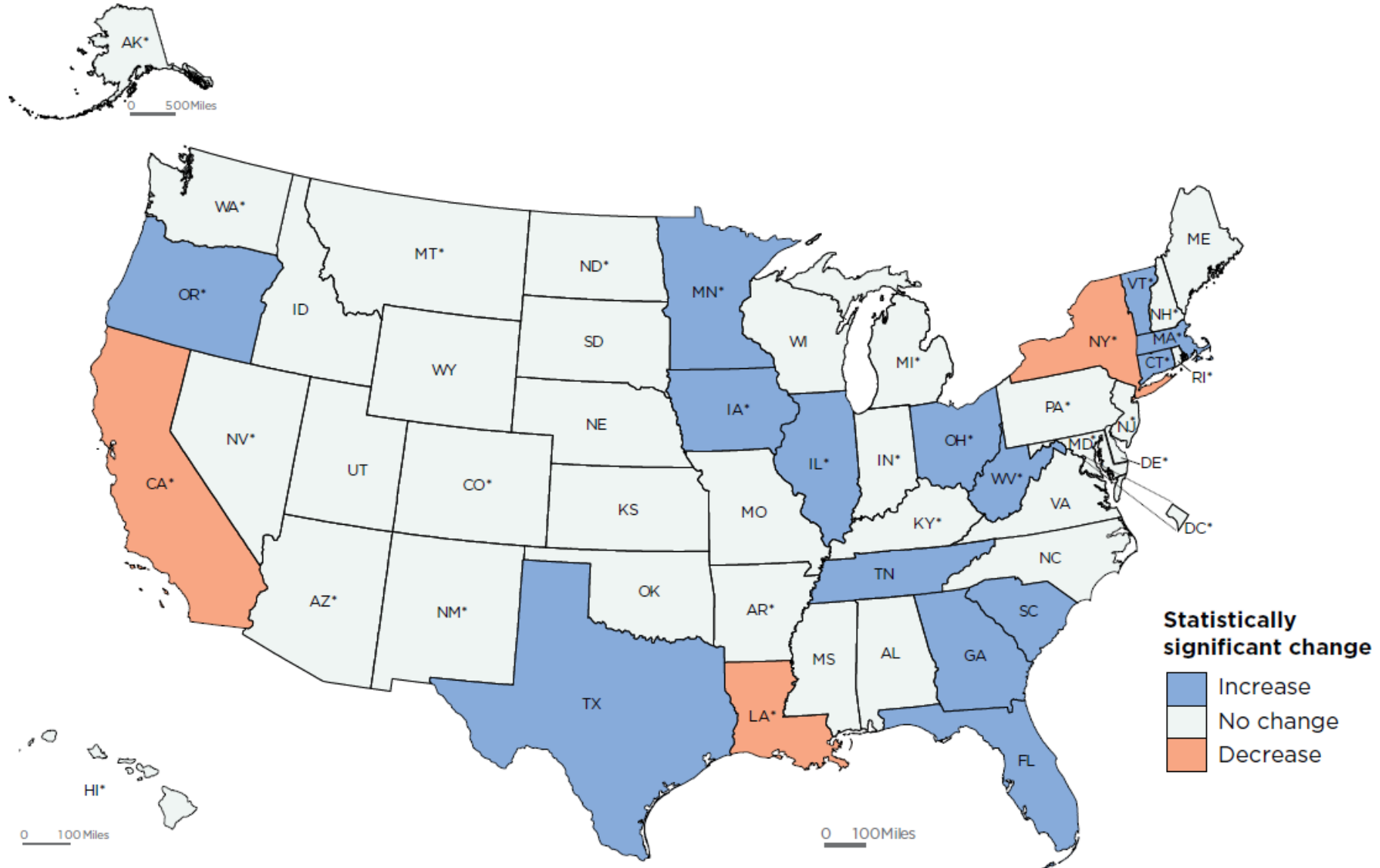


Source: U.S. Census Bureau, 2017 1-Year American Community Survey
www.census.gov/acs

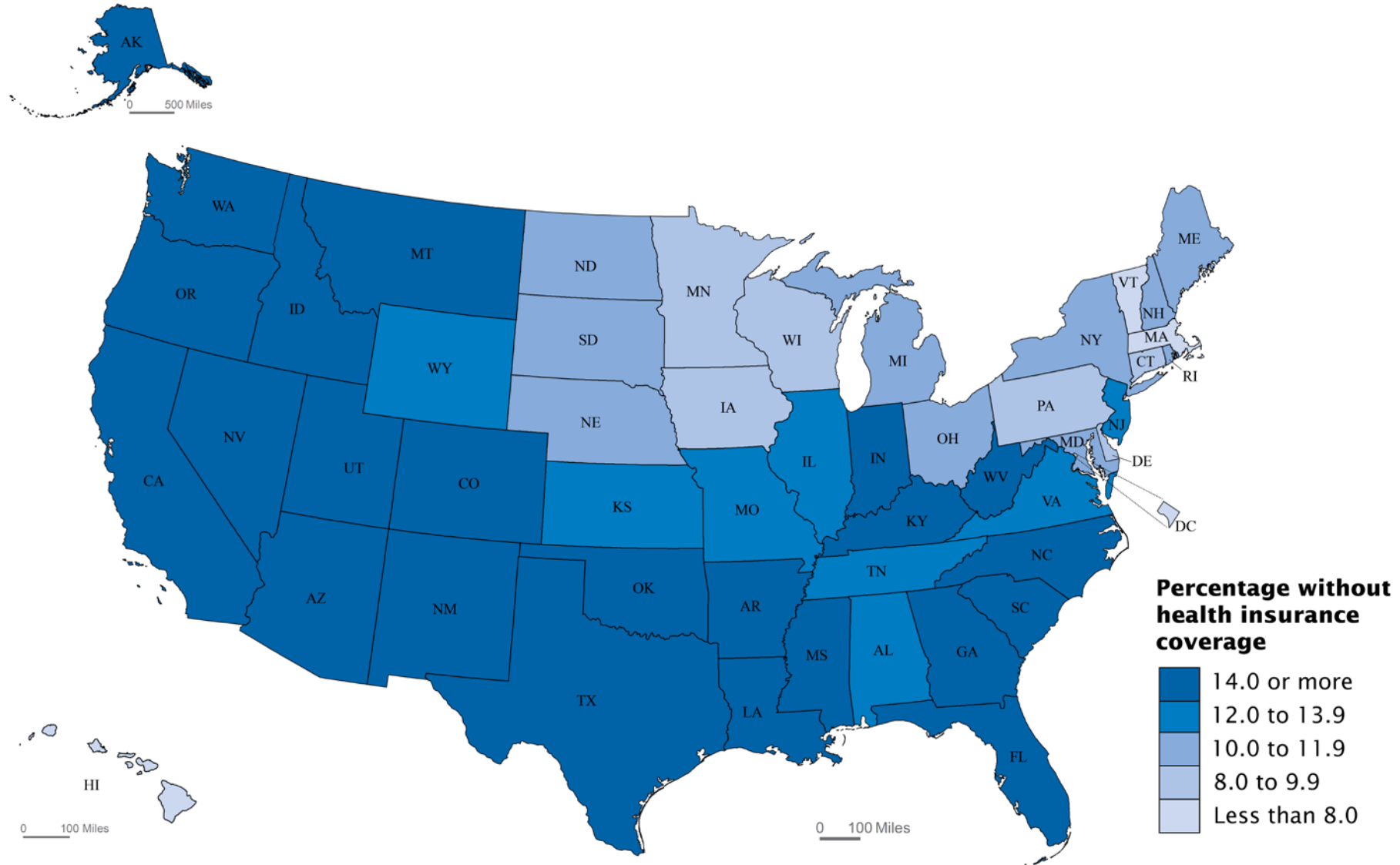
* Expanded Medicaid eligibility as of January 1, 2017

¹Classification is based on uninsured rates rounded to the nearest tenth.

Change in Uninsured Rate by State: 2016-2017

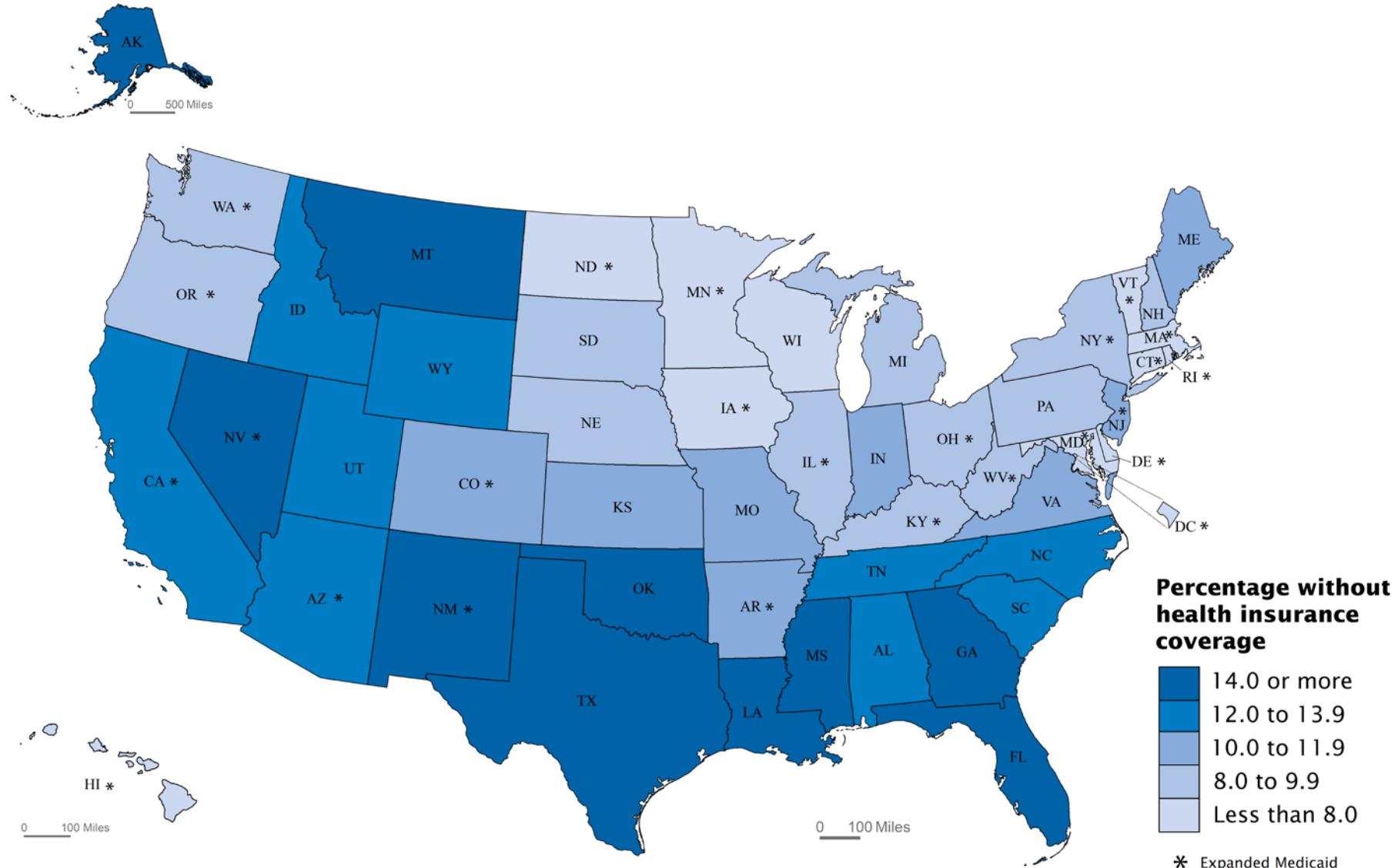


Uninsured Rate by State: 2013



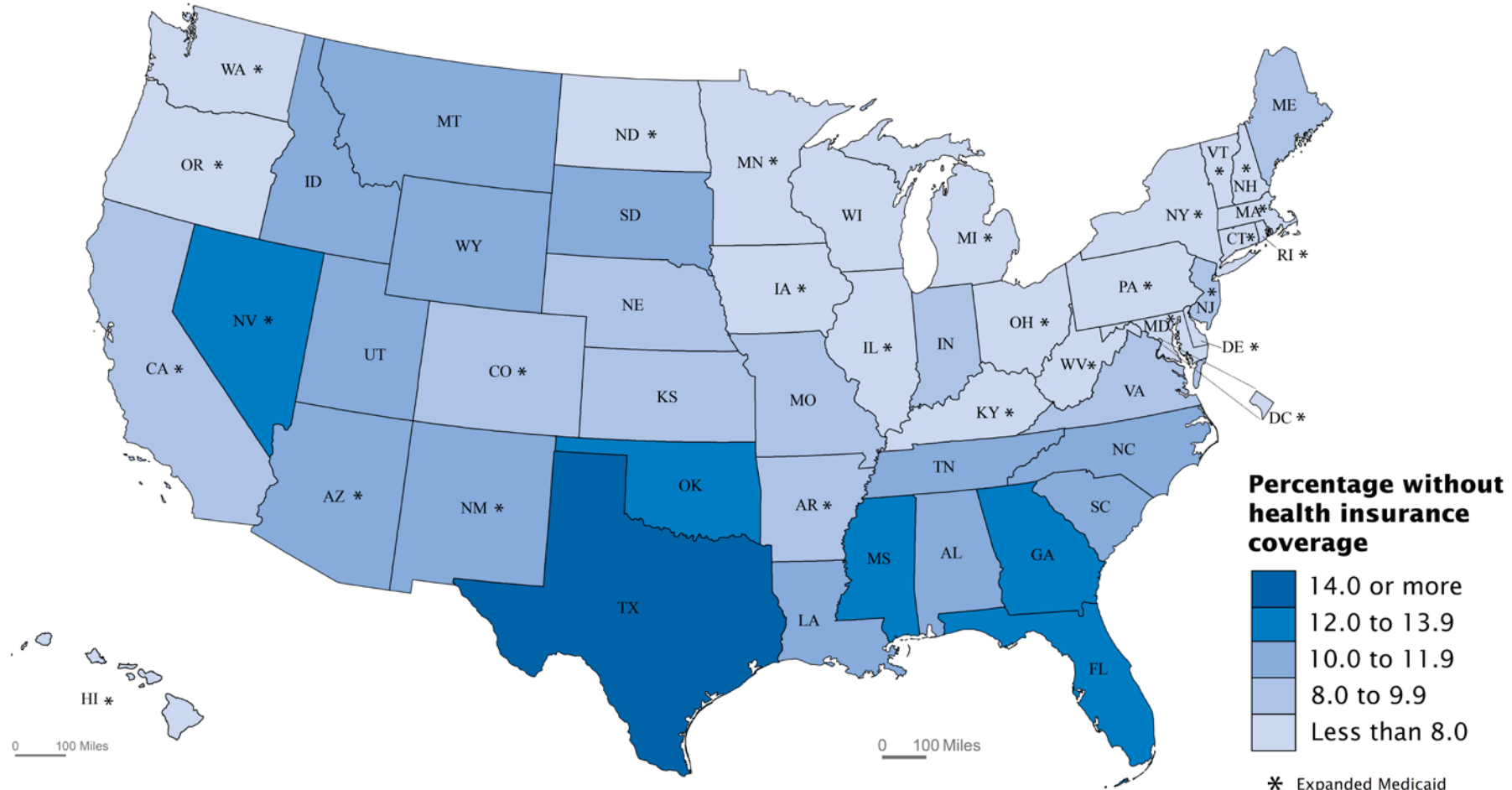
Source: U.S. Census Bureau, 2013 1-Year American Community Survey.

Uninsured Rate by State: 2014



Source: U.S. Census Bureau, 2014 1-Year American Community Survey.

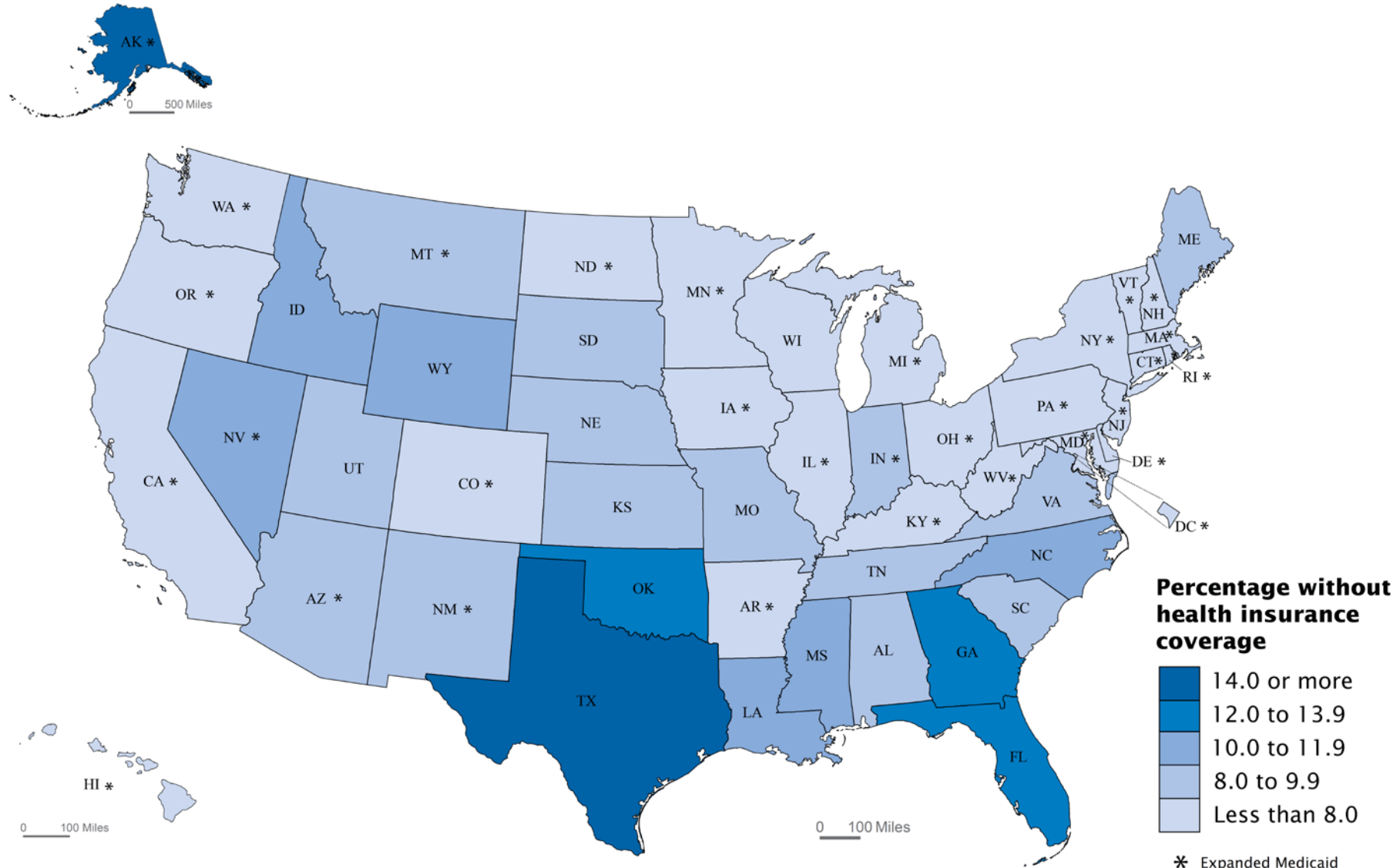
Uninsured Rate by State: 2015



Source: U.S. Census Bureau, 2015 1-Year American Community Survey.

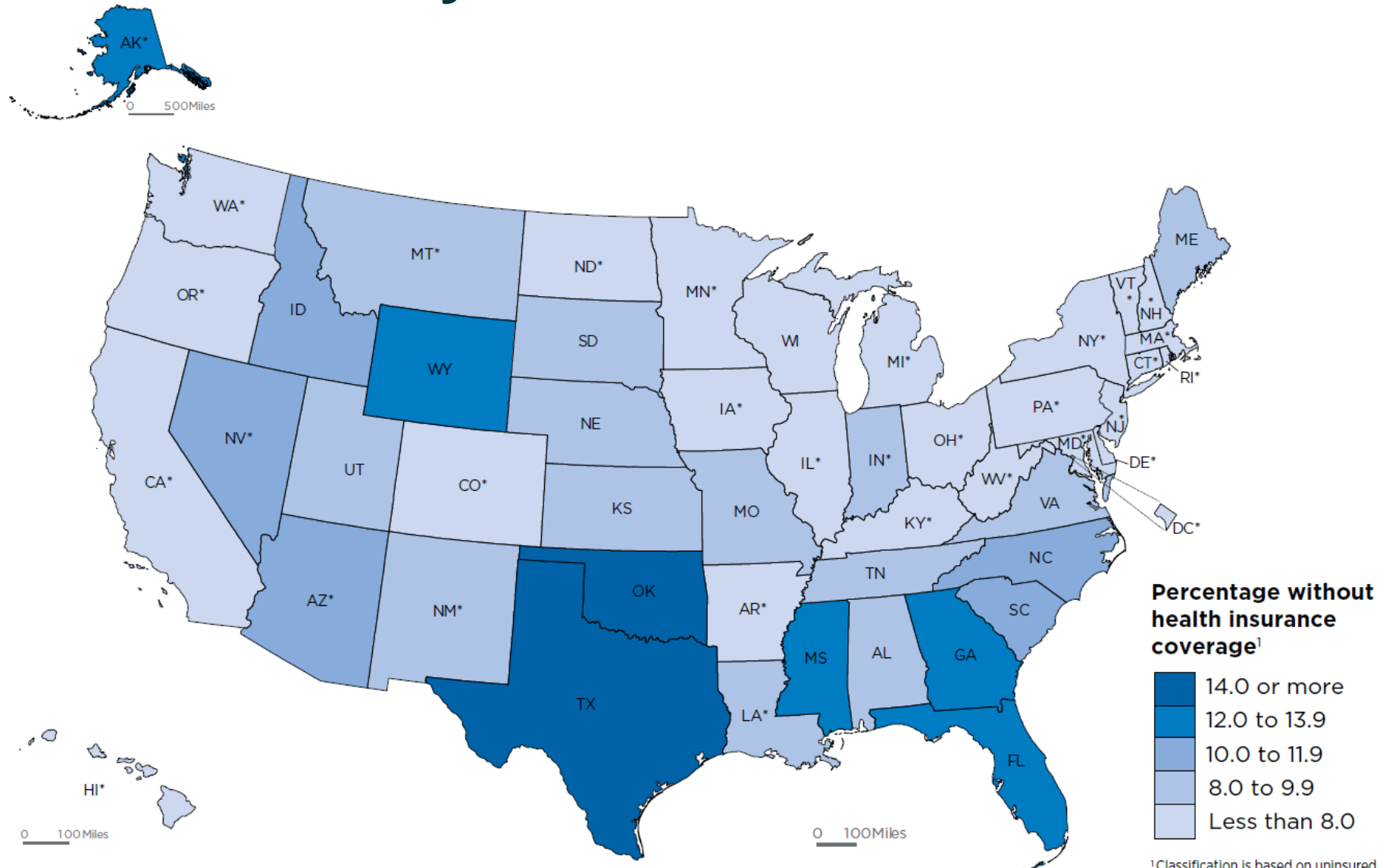
* Expanded Medicaid eligibility as of January 1, 2015

Uninsured Rate by State: 2016



Source: U.S. Census Bureau, 2016 1-Year American Community Survey.

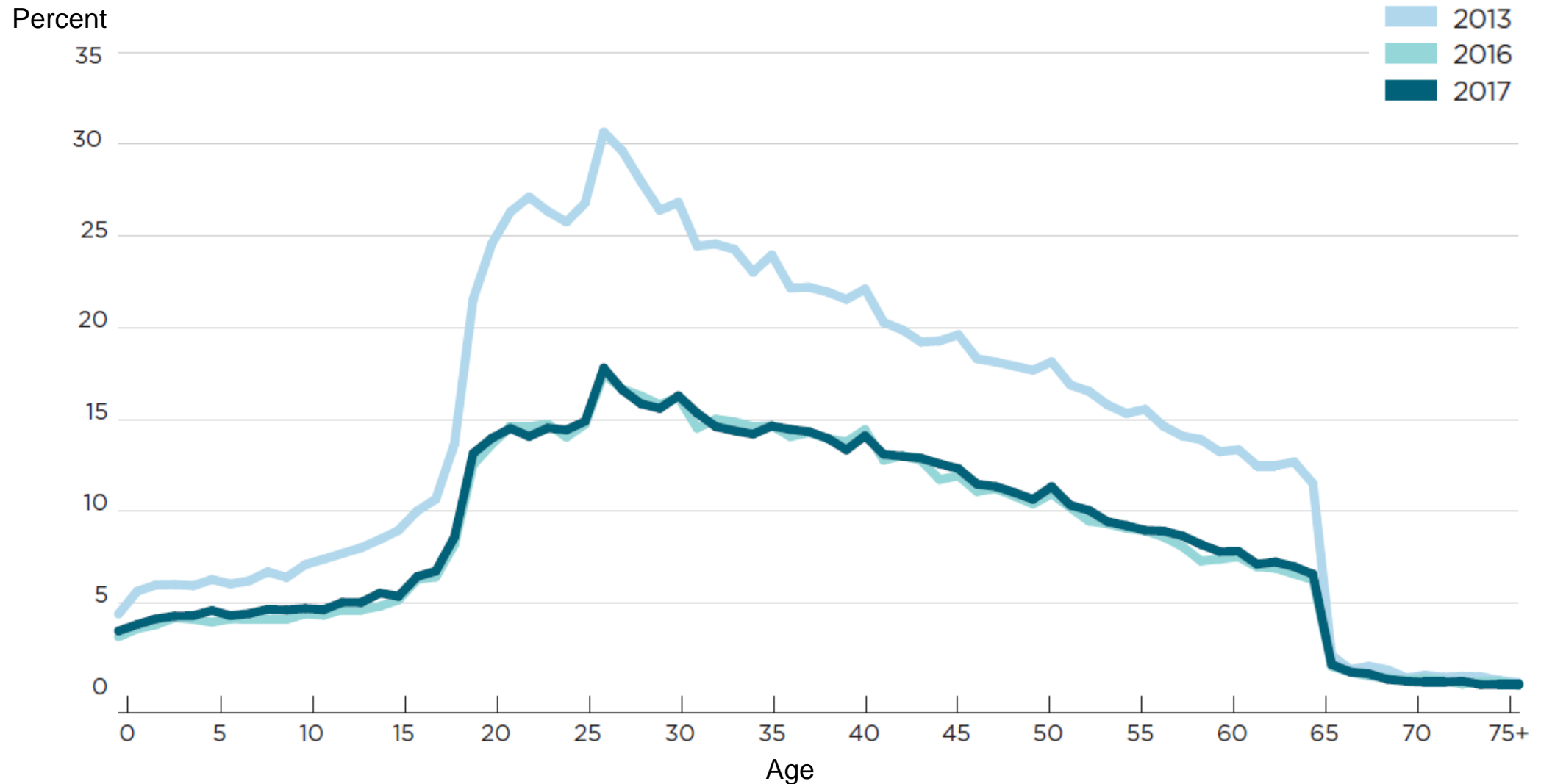
Uninsured Rate by State: 2017



Source: U.S. Census Bureau, 2017 1-Year American Community Survey.

¹Classification is based on uninsured rates rounded to the nearest tenth.

Uninsured Rate by Single Year of Age: 2013, 2016, and 2017



Source: U.S. Census Bureau, 2013, 2016, and 2017 1-Year American Community Surveys.

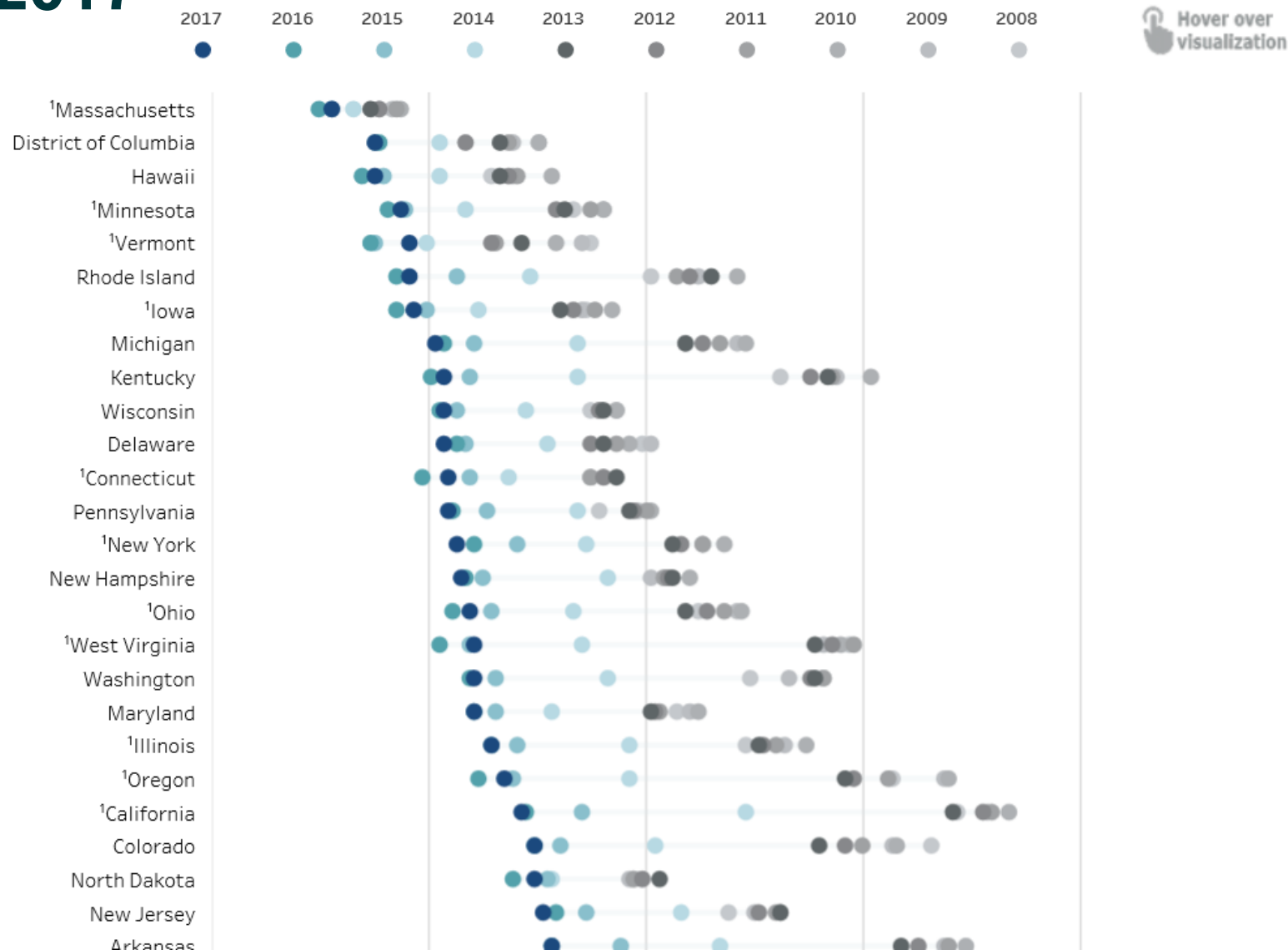
For more information:

<https://www.census.gov/library/publications/2018/demo/p60-264.html>

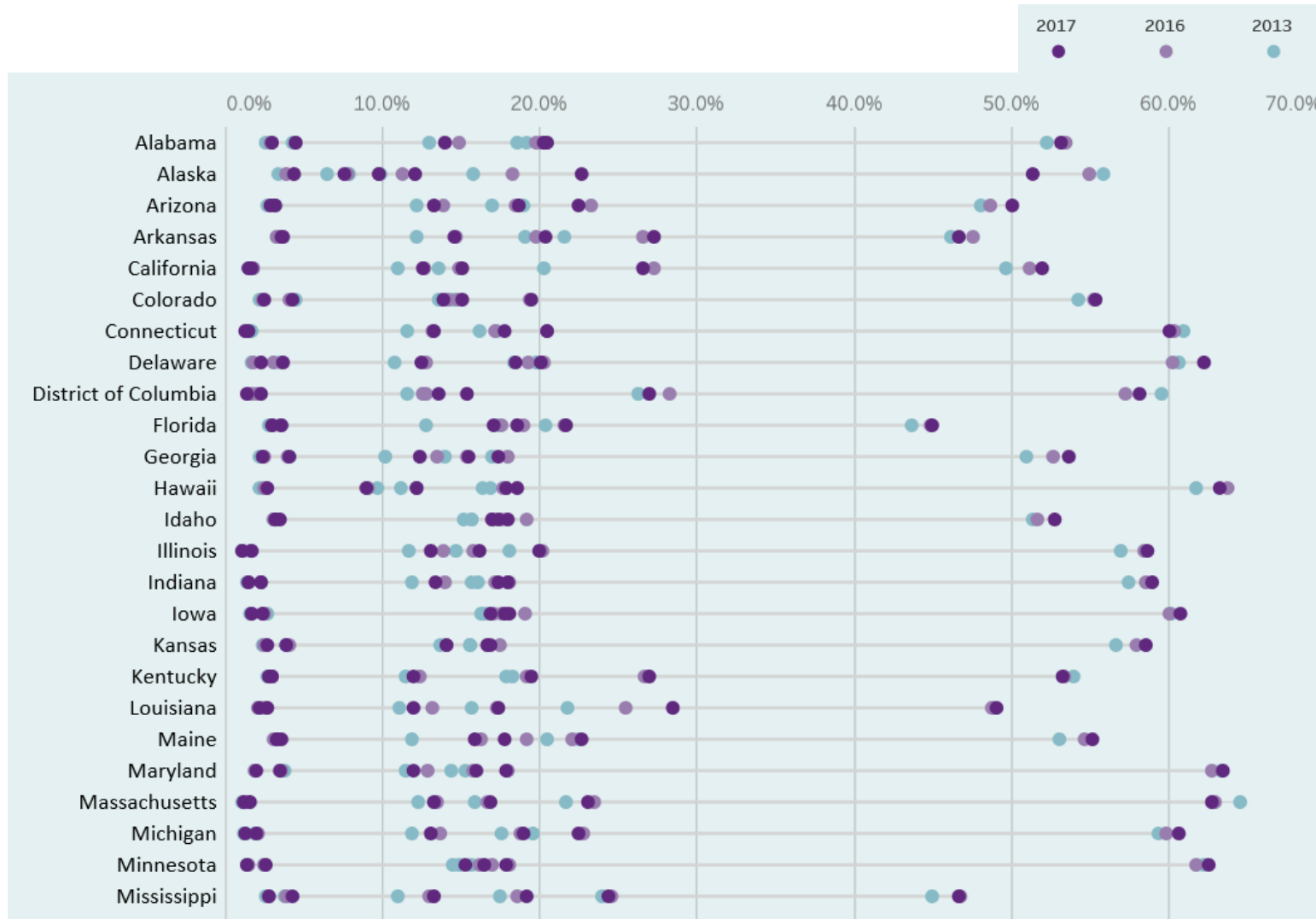


- *Health Insurance Coverage in the United States: 2017*
- Detailed and historical tables
- Interactive infographics
 - Population without Health Insurance Coverage by State: 2008 to 2017
 - Uninsured Rate by State: 2008-2017 Interactive Data Map
 - Health Insurance Coverage Type by State: 2008 to 2017
- Other materials
 - “Who are the Uninsured?”
 - “Another Look at Health Insurance Coverage Rates for Young Adults”

Population without Health Insurance Coverage by State: 2008 to 2017



Type of Health Insurance Coverage Rate Change by state: 2013, 2016, and 2017



Louisiana

- Coverage: +1.9 percentage points
 - Private coverage: -1.1 percentage points
 - Direct: -1.2 percentage points
 - ESI: no statistical change
 - TRICARE: no statistical change
 - Public coverage: +3.1 percentage points
 - Medicare: no statistical change
 - Medicaid: +3.1 percentage points
 - VA: no statistical change

California

- Coverage: +0.2 percentage points
 - Private coverage: +0.6 percentage points
 - Direct: no statistical change
 - ESI: +0.7 percentage points
 - TRICARE: no statistical change
 - Public coverage: -0.5 percentage points
 - Medicare: +0.2 percentage points
 - Medicaid: -0.7 percentage points
 - VA: no statistical change

New York

- Coverage: +0.4 percentage points
 - Private coverage: no statistical change
 - Direct: no statistical change
 - ESI: no statistical change
 - TRICARE: -0.1 percentage points
 - Public coverage: +0.4 percentage points
 - Medicare: +0.5 percentage points
 - Medicaid: no statistical change
 - VA: -0.1 percentage points

South Carolina

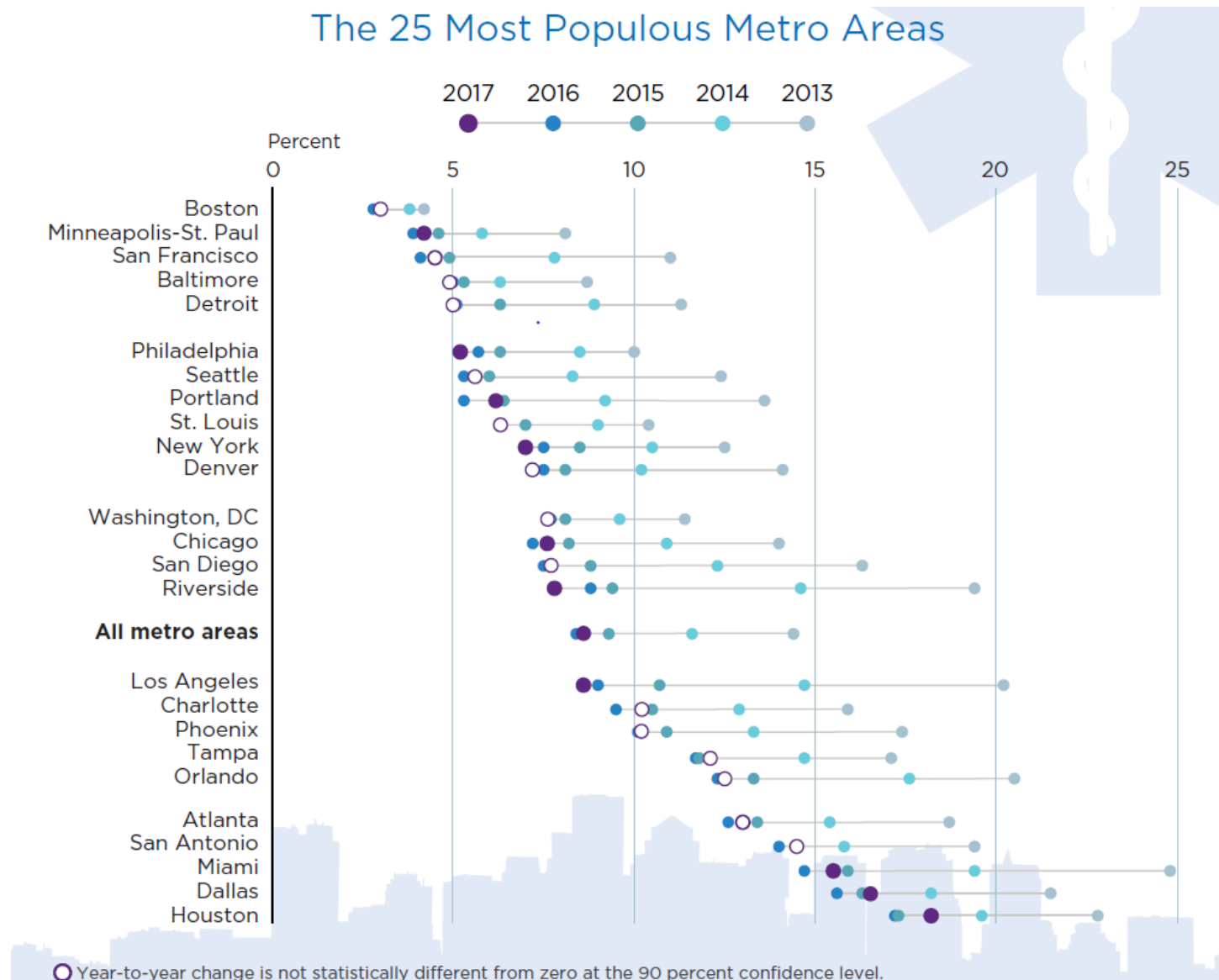
- Coverage: -1.0 percentage points
 - Private coverage: -1.3 percentage points
 - Direct: -0.9 percentage points
 - ESI: no statistical change
 - TRICARE: -0.4 percentage points
 - Public coverage: no statistical change
 - Medicare: +0.4 percentage points
 - Medicaid: no statistical change
 - VA: no statistical change

Maryland

- Coverage: no statistical change
 - Private coverage: no statistical change
 - Direct: -0.8 percentage points
 - ESI: +0.7 percentage points
 - TRICARE: no statistical change
 - Public coverage: no statistical change
 - Medicare: +0.2 percentage points
 - Medicaid: no statistical change
 - VA: no statistical change

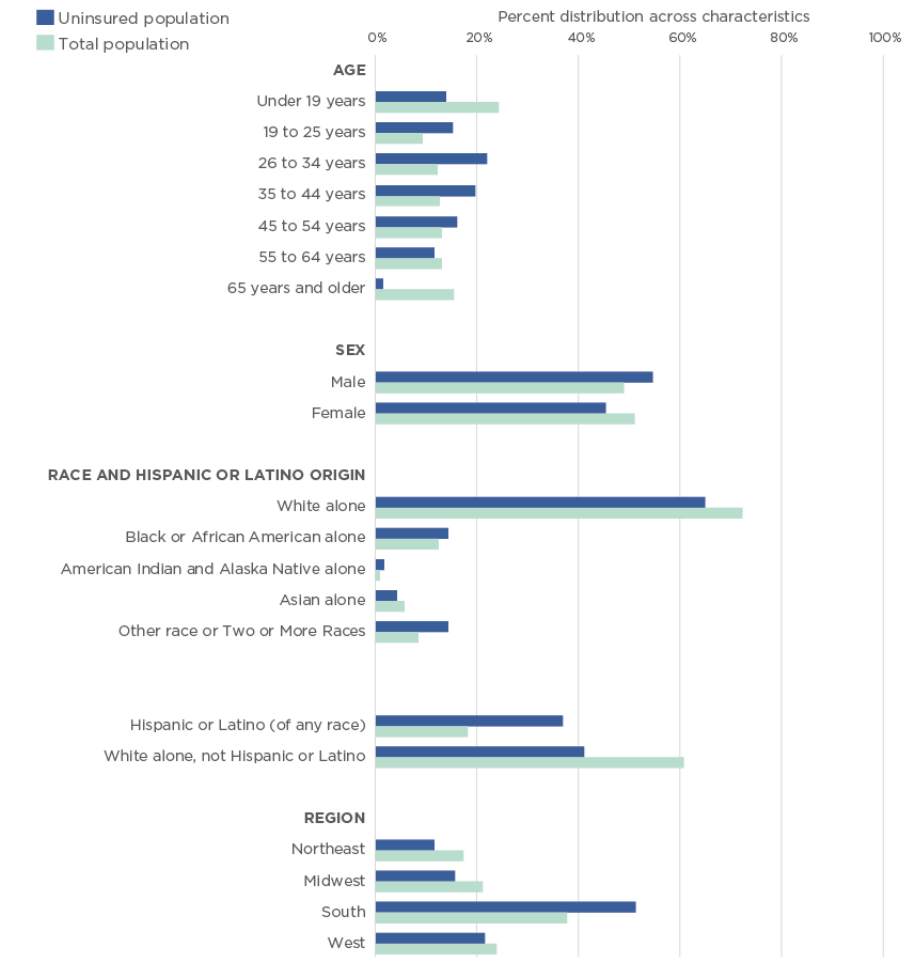
Population Without Health Insurance Coverage

The 25 Most Populous Metro Areas



Who are the Uninsured?

Figure 1.
Demographic Characteristics of the Uninsured and Total Populations: 2017

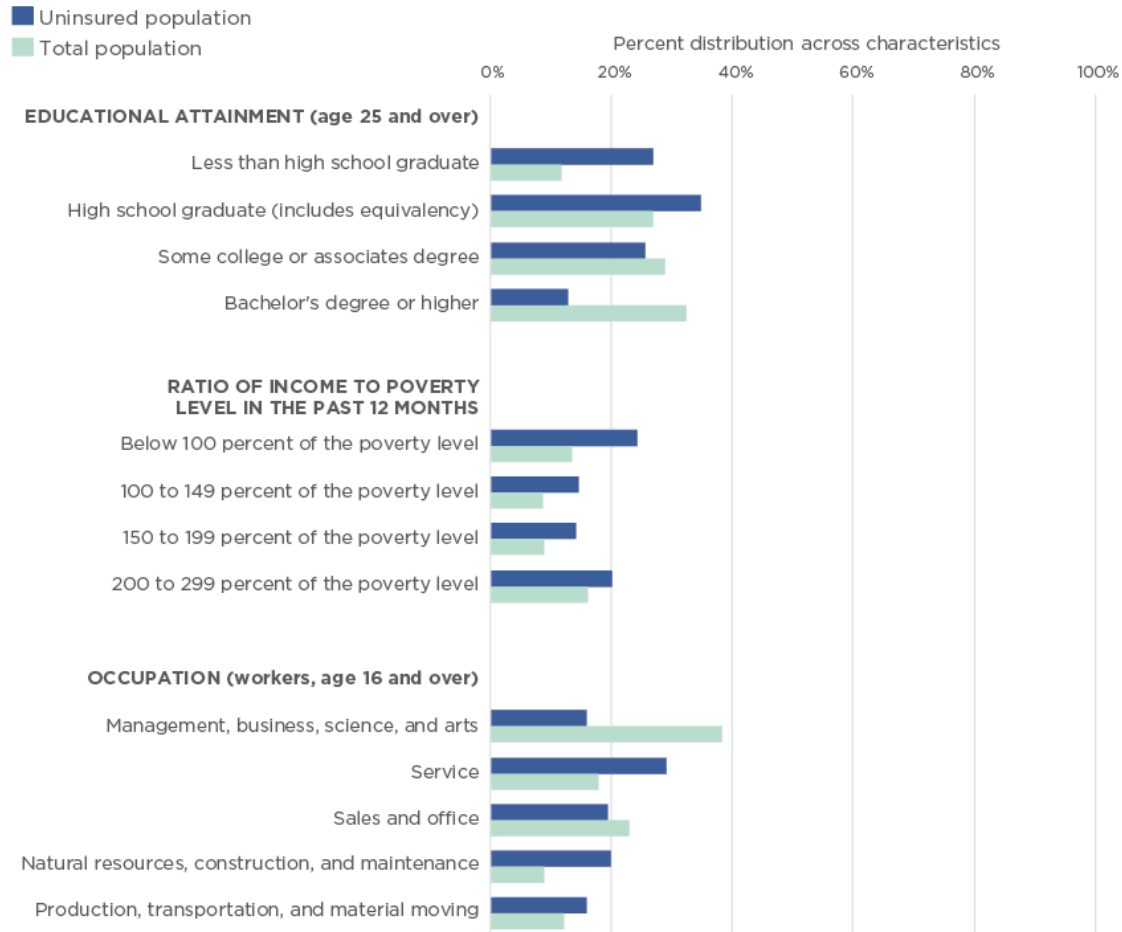


Note: Estimates are for the civilian noninstitutionalized population.
For more information on the American Community Survey, see www.census.gov/programs-surveys/acs/.
Source: U.S. Census Bureau, .

Source: U. S. Census Bureau, 2017 American Community Survey 1-year estimates. American FactFinder Table S2702. For more information, see www.census.gov/programs-surveys/acs/.

Who are the Uninsured?

Figure 2.
Socio-Economic Characteristics of the Uninsured and Total Populations: 2017



Note: Estimates are for the civilian noninstitutionalized population.
 Source: U.S. Census Bureau, .

Source: U. S. Census Bureau, 2017 American Community Survey 1-year estimates. American FactFinder Table S2702. For more information, see www.census.gov/programs-surveys/acs/.

Accessing Estimates: Health Insurance Website

<http://www.census.gov/topics/health/health-insurance.html>

- CPS detailed tables
- CPS historical tables
- ACS historical tables (2008 to 2017)
- Maps, interactive infographics, and more
- Also: Publications and working papers

Accessing Estimates: Health Insurance Website

Detailed CPS tables

Table HI01. Health Insurance Coverage Status and Type of Coverage by Selected Characteristics: 2017

For information on confidentiality protection, sampling error, nonsampling error, and definitions, see www2.census.gov/programs-surveys/cps/techdocs/cpsmar18.pdf

Source: U.S. Census Bureau, Current Population Survey, 2018 Annual Social and Economic Supplement.

(Numbers in thousands)

All Races

Characteristic	Total	Not covered at any time during the year	Covered by some type of health insurance during the year	Covered by private insurance	Covered by Employment based	Covered by Own Employment based	Covered by Direct-purchase insurance	Covered by government health plan	Covered by Medicaid	Covered by Medicare
Number										
Total	323,156	28,543	294,613	217,007	181,036	91,793	51,821	121,965	62,492	5,846
Age										
Under 18 years	73,963	3,930	70,033	46,570	41,803	81	8,117	31,277	28,304	
Under 6 years	23,913	1,424	22,488	14,066	12,665	(Z)	2,358	10,851	9,817	
6 to 11 years	24,643	1,247	23,397	15,452	13,902	(Z)	2,596	10,539	9,608	
12 to 17 years	25,407	1,259	24,148	17,052	15,236	81	3,163	9,888	8,879	
18 to 24 years	29,363	3,782	25,580	20,534	17,732	3,807	4,327	7,488	6,416	
25 to 34 years	44,854	6,981	37,873	31,365	27,723	20,266	5,967	9,130	7,132	
35 to 44 years	40,659	5,407	35,253	29,912	26,853	19,137	5,138	7,825	5,846	

- Estimates by type of coverage for a wide variety of socioeconomic characteristics
- Estimates going back to 2013

Accessing Estimates: Health Insurance Website

Historical ACS tables

Table HIC_4_ACS. Health Insurance Coverage Status and Type of Coverage by State All People: 2008 to 2017

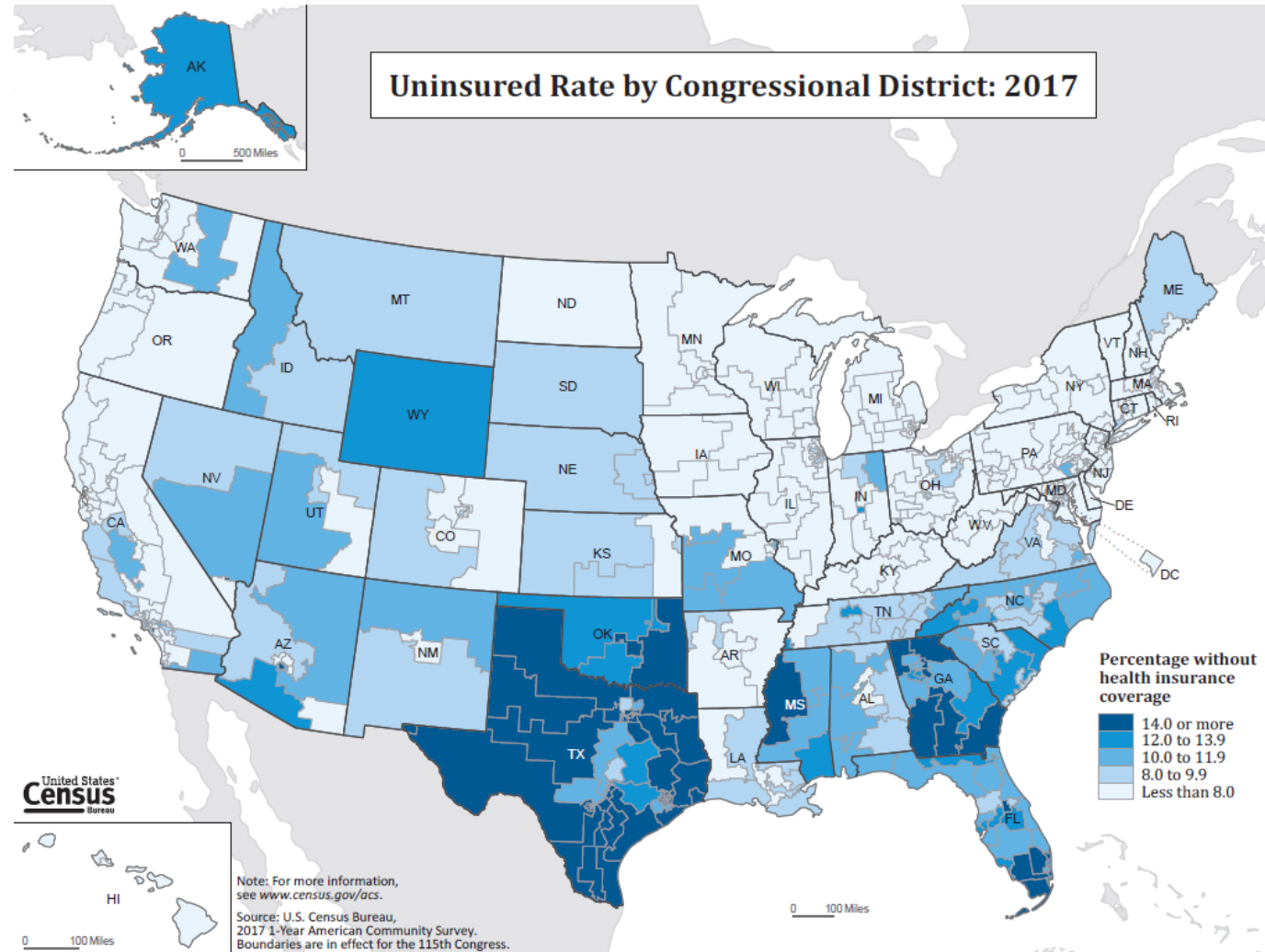
Note: Numbers in thousands. Civilian noninstitutionalized population. Margins of error calculated using replicate weights.

Nation/State	Coverage	2017			2016			2015			2014		
		Estimate	margin of Error	Percent	Estimate	margin of Error	Percent	Estimate	margin of Error	Percent	Estimate	margin of Error	Percent
UNITED STATES	Total	320,775	15	100.0	318,176	15	100.0	316,451	15	100.0	313,890	16	100.0
	Any coverage	292,756	184	91.3	290,872	158	91.4	286,693	176	90.6	277,220	186	88.4
	Uninsured	28,019	188	8.7	27,304	162	8.6	29,758	179	9.4	36,670	190	11.7
	Private	216,952	419	67.6	215,859	369	67.8	213,514	344	67.5	208,333	344	66.4
	Employer-based	176,319	358	55.0	173,907	325	54.7	172,292	309	54.4	170,265	294	54.3
	Direct-purchase	43,406	189	13.5	44,815	187	14.1	43,633	174	13.8	40,215	155	12.8
	TRICARE	8,640	79	2.7	8,566	73	2.7	8,415	68	2.7	8,311	70	2.7
	Public	113,720	218	35.5	112,688	205	35.4	109,874	176	34.7	104,228	157	33.2
	Medicaid	66,131	236	20.6	66,357	208	20.9	64,739	196	20.5	60,346	165	19.2
	Medicare	55,473	60	17.3	54,126	60	17.0	52,694	63	16.7	51,112	53	16.3
	VA Care	7,290	53	2.3	7,291	44	2.3	7,044	43	2.2	6,911	46	2.2
ALABAMA	Total	4,794	2	100.0	4,783	2	100.0	4,781	1	100.0	4,767	2	100.0
	Any coverage	4,345	16	90.6	4,348	14	90.9	4,297	16	89.9	4,188	17	87.5
	Uninsured	449	16	9.4	435	14	9.1	484	16	10.1	579	17	12.1
	Private	3,205	27	66.9	3,249	24	67.9	3,198	26	66.9	3,132	26	65.7
	Employer-based	2,552	28	53.2	2,580	26	53.5	2,545	25	53.2	2,525	28	52.8
	Direct-purchase	671	16	14.0	712	16	14.9	677	15	14.2	610	14	12.8
	TRICARE	215	10	4.5	215	10	4.5	208	10	4.3	211	11	4.4
	Public	1,812	21	37.8	1,762	19	36.9	1,752	18	36.6	1,694	17	35.6
	Medicaid	983	20	20.5	962	18	20.1	962	18	20.1	934	17	19.5
	Medicare	972	8	20.3	948	9	19.8	926	8	19.4	896	8	18.9
	VA Care	142	6	3.0	137	5	2.9	137	6	2.9	126	6	2.6
MISSISSIPPI	Total	716	2	100.0	718	2	100.0	713	2	100.0	712	2	100.0
	Any coverage	618	6	86.3	618	6	86.0	607	5	85.1	589	6	82.8
	Uninsured	98	6	13.7	101	6	14.0	106	5	14.9	122	6	17.1
	Private	457	9	63.2	487	9	67.3	478	10	67.0	467	8	65.1

- By state
- By type of coverage
- 2008 to 2017

Accessing Estimates: Health Insurance Website

Other resources



Accessing Estimates

American FactFinder

<http://www.census.gov/topics/health/health-insurance.html>

- Uninsured rate
- Characteristics of the uninsured
- Private / public coverage rates
- Estimates for geographic units with populations of 65,000 or more

S2701 | SELECTED CHARACTERISTICS OF HEALTH INSURANCE COVERAGE IN THE UNITED STATES ⓘ
2017 American Community Survey 1-Year Estimates

Table View

Actions: [Modify Table](#) | [Add/Remove Geographies](#) | [Bookmark/Save](#) | [Print](#) | [Download](#) | [Create a Map](#)

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates and towns and estimates of housing units for states and counties.

Versions of this table are available for the following years:

2017 ▶

2016

2015

Subject	Calvert County, Maryland							
	Total		Insured		Percent Insured		Uninsured	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Civilian noninstitutionalized population	90,423	+/-657	87,312	+/-1,168	96.6%	+/-1.1	3,111	+/-116
AGE								
Under 6 years	5,581	+/-693	5,441	+/-692	97.5%	+/-3.3	140	+/-140
6 to 18 years	16,542	+/-826	16,141	+/-857	97.6%	+/-2.6	401	+/-401
19 to 25 years	8,190	+/-937	7,255	+/-1,001	88.6%	+/-5.5	935	+/-935
26 to 34 years	8,525	+/-940	8,293	+/-928	97.3%	+/-2.6	232	+/-232
35 to 44 years	10,427	+/-841	10,037	+/-930	96.3%	+/-3.9	390	+/-390
45 to 54 years	14,841	+/-596	14,248	+/-723	96.0%	+/-3.1	593	+/-593

Accessing Estimates

American FactFinder

1) Changes for 2017 - New table on living arrangements (C27021)

C27021 HEALTH INSURANCE COVERAGE STATUS BY LIVING ARRANGEMENT
 Universe: Civilian noninstitutionalized population ⓘ
 2017 American Community Survey 1-Year Estimates

Table View

Actions: [Modify Table](#) | [Add/Remove Geographies](#) | [Bookmark/Save](#) | [Print](#)

This table is displayed with default geographies. ⓘ
 Click Back to Search to select other geographies using the search options on the left.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is not designed to produce estimates of housing units for states and counties.

		United States	
		Estimate	Margin of Error
15 of 15	Total:	320,775,014	+/-15,011
	In family households:	263,452,014	+/-149,363
	In married couple families:	189,889,787	+/-357,315
	With health insurance coverage	176,841,170	+/-389,567
	No health insurance coverage	13,048,617	+/-105,921
	In other families:	73,562,227	+/-332,975
	Male householder, no wife present:	20,713,661	+/-182,167
	With health insurance coverage	17,481,739	+/-157,079
	No health insurance coverage	3,231,922	+/-61,512
	Female householder, no husband present:	52,848,566	+/-252,051
	With health insurance coverage	46,636,955	+/-222,968
	No health insurance coverage	6,211,611	+/-71,178
	In non-family households and other living arrangements:	57,323,000	+/-146,330
	With health insurance coverage	51,795,887	+/-129,932
	No health insurance coverage	5,527,113	+/-61,213

Source: U.S. Census Bureau, 2017 American Community Survey 1-Year Estimates

Accessing Estimates

American FactFinder

2) Changes for 2017 - Improvements to a number of existing tables

- Updated income-to-poverty thresholds
- ‘Under 18’ and ‘18 to 64’ universes updated to ‘Under 19’ and ‘19 to 64’
- Age universes previously defined as ‘25 and over’ have been updated to ‘26 and over’
- Complete list of updated tables available at: <https://www.census.gov/programs-surveys/acs/technical-documentation/table-and-geography-changes/2017/1-year.html>

3) Beta version of the new Census data dissemination tool

- <https://data.census.gov/cedsci/search>

ACS Public Use Data Release: 2017 Estimates

Public use Microdata Sample (PUMS) available **October 18**

- 1% public use microdata sample (1% of population)
- The smallest identifiable geographic unit is the Public Use Microdata Area (PUMA,) containing at least 100,000 persons
 - PUMAs are generally groups of counties or parts of counties, but there are exceptions
 - PUMAs do not cross state boundaries

Upcoming ACS Data Releases: 5-Year

2013-2017 5-year estimates for all geographic areas

- American FactFinder release: December 6
- PUMS: January 17

The 3-year ACS data products are discontinued;

- there will not be estimates for 2015-2017

1-Year Supplemental Estimates

Limited set of 1-year AFF tables for geographies with population > 20,000

- K202701: Insured/uninsured by age
- K202702: Private coverage
- K202703: Public coverage

Variance Replicate Estimate Tables

5-year 2013-2017 selected tables with 80 replicate variance estimates

- Advanced users can calculate margins of error (MOEs) when collapsing data within a table or across geographies
- More accurate MOE than approximation formula
- Available for select tables

Statistical Testing Tool

<https://www.census.gov/programs-surveys/acs/guidance/statistical-testing-tool.html>

- Excel spreadsheet that tests whether American Community Survey estimates are statistically different from one another.

Statistical Testing Tool

Statistical Testing for Two Estimates

United States Census Bureau

Purpose
This spreadsheet determines whether there is statistical evidence to conclude that two estimates are different from each another.

Results

Yes	Estimates are statistically different.
No	Estimates are NOT statistically different (or are statistically tied).
N/A	Statistical testing is not applicable for one or both of the estimates.

[Overview](#) [Instructions](#) [Statistical Testing for Multiple Estimates](#) [Worked Example](#) [Contact Us](#)

How to Use this spreadsheet

1. Download data from
2. Insert geography or
3. Insert the first number
4. Insert the corresponding
5. Put the second estimate
6. If the first estimate of the spreadsheet and
7. (Optional) To change to the desired confidence

Label	First Estimate	First Margin of Error (MOE)	Second Estimate	Second Margin of Error (MOE)	Statistically Different?
1 Place your Geography of statistical variable keyword	48759	+/-2,395	28621	*****	Yes
2 in the gray column here. This text is here as an	6.2	+/-0.1	6	+/-0.3	No
3 example. You may delete the text before using the	22147046	+/-234,312	17997953	+/-199,112	Yes
4 spreadsheet.	-	**	27047	+/-230	N/A

Example
Suppose you want to know if the number of people who work over time (year to year) for two different years are statistically different or was not statistically different.

CPS NEW content

Implemented for the 2013 estimates

Question Changes in 2014 (asking about calendar year 2013)

- Complete redesign of health insurance coverage question series – based on over a decade of research
 - Person design but collect information on other members with the same plan, reducing respondent burden
 - For each type of coverage, monthly detail
 - Ability to differentiate between different subtypes of direct purchase coverage

Point-in-Time Estimates (February to April 2018)

Percentage (and standard error) of persons who lacked health insurance coverage at the time of interview, by age group, race/ethnicity (among persons aged 18–64), and survey data source: United States, 2017 and 2018

Selected characteristic	NHIS, January–March 2017 ¹	CPS, February–April 2017 ²	2017 difference (percentage points)	NHIS, January–March 2018 ¹	CPS, February–April 2018 ²	2018 difference (percentage points)
Age (years)						
All ages	8.8 (0.35)	9.6 (0.10)	*–0.8	8.8 (0.36)	9.6 (0.12)	*–0.8
Under 65	10.3 (0.41)	11.1 (0.12)	–0.8	10.3 (0.42)	11.1 (0.14)	–0.8
Under 18	5.3 (0.61)	6.2 (0.17)	–0.9	4.6 (0.44)	6.3 (0.19)	*–1.7
18–64	12.1 (0.43)	12.9 (0.14)	–0.8	12.5 (0.52)	12.9 (0.16)	–0.4
18–24	13.3 (0.93)	13.1 (0.33)	0.2	12.8 (0.89)	13.7 (0.40)	–0.9
19–25	14.9 (0.96)	14.3 (0.36)	0.6	13.7 (0.96)	14.7 (0.41)	–1.0
25–34	17.0 (0.76)	17.1 (0.35)	–0.1	16.2 (1.17)	16.7 (0.31)	–0.5
35–44	13.1 (0.82)	13.9 (0.30)	–0.8	13.7 (1.04)	14.1 (0.31)	–0.4
45–64	8.7 (0.63)	10.2 (0.19)	*–1.5	9.7 (0.47)	10.0 (0.21)	–0.3
65 and over	0.7 (0.15)	1.3 (0.09)	*–0.6	0.6 (0.15)	1.3 (0.08)	*–0.7
Race/ethnicity ³						
Aged 18–64:						
Hispanic or Latino	24.1 (1.38)	22.9 (0.47)	1.2	24.2 (2.16)	22.7 (0.46)	1.5
Not Hispanic or Latino:						
White, single race	8.5 (0.49)	9.8 (0.16)	*–1.3	8.9 (0.43)	9.6 (0.18)	–0.7
Black, single race	14.2 (1.18)	15.3 (0.43)	–1.1	14.1 (1.46)	15.2 (0.42)	–1.1

¹Significant difference between National Health Interview Survey (NHIS) and Current Population Survey (CPS) estimates of the percentage who lacked health insurance coverage at the time of interview ($p < 0.05$).

²A person was defined as uninsured in NHIS if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only Indian Health Service coverage or had only a private plan that paid for one type of service, such as accidents or dental care.

³A person was defined as uninsured in CPS if he or she did not have any private health insurance, Medicare, Medicaid, Children's Health Insurance Program (CHIP), state-sponsored or other government-sponsored health plan, or military plan. A person was also defined as uninsured if he or she had only Indian Health Service coverage.

⁴Estimates are not shown for adults who are not Hispanic or Latino and who are of multiple races or of single race other than white or black.

NOTES: Estimates from both NHIS and CPS are based on household interviews of a sample of the civilian noninstitutionalized population. The estimates are based on a sample of the population and, therefore, are subject to sampling error. Standard errors are reported to indicate reliability of the estimates. Estimates with larger standard errors are less reliable and less precise than estimates with smaller standard errors. The NHIS health insurance estimates are being released prior to final data editing and final weighting to provide access to the most recent information. The resulting estimates for persons without health insurance are generally 0.1–0.3 percentage points lower than those based on the editing procedures used for the final data files. Occasionally, due to decisions made for the final data editing and weighting, estimates based on preliminary editing procedures may differ by more than 0.3 percentage points from estimates based on final files.

DATA SOURCES: CDC/NCHS, National Health Interview Survey, 2017 and 2018, Family Core component; U.S. Census Bureau, Current Population Survey, 2017 and 2018 Annual Social and Economic Supplement.

https://www.cdc.gov/nchs/data/nhis/earlyrelease/NCHS_CPS_Comparison092018.pdf

Offer and Take-up of Employer-Sponsored Coverage

<http://www.census.gov/data/datasets/time-series/demo/health-insurance/cps-asec-research-files.html>

<http://www.census.gov/library/working-papers/2016/demo/Abramowitz-2016.html>

- Individuals employed at time of interview (February to April) but without employer-sponsored coverage
- Does employer offer coverage?
- If offered was person eligible to purchase?
- If offered, reason for not purchasing if eligible or reason why ineligible

Current Post-Collection Processing

- For timely data release, used current processing methods from previous years
- Current processing system not ideal for the current data structure:
 - Not able to differentiate some coverage types (For example, subsidized Marketplace from non-Marketplace direct purchase)
 - Needs the data at an annual level, not month-to-month
- New processing system
 - Scheduled to go into production September 2019
 - 2017 and 2018 CPS ASEC Research Files available in early 2019
 - Currently undergoing data quality evaluation and disclosure protection review

Available in Research Files

Point-in-time coverage

Offers and take-up of employer-sponsored insurance

More detail on out-of-household coverage
(employer-sponsored or direct-purchase)

<http://www.census.gov/data/datasets/time-series/demo/health-insurance/cps-asec-research-files.html>

Not Available Yet


Exchange participation

Receipt of subsidies


Plan changes during year

SHADAC resources

Comparing Federal Government Surveys



Robert Wood Johnson Foundation



STATE HEALTH ACCESS DATA ASSISTANCE CENTER

ANNUAL RWJF BRIEF • SEPTEMBER 2017

Comparing Federal Government Surveys That Count the Uninsured: 2017

INTRODUCTION

Timely and accurate estimates of the number of people who do not have health insurance coverage are important for understanding trends in health insurance coverage and the impacts of policy changes that affect health insurance. This brief provides an annual update to comparisons of uninsurance estimates from four federal surveys¹:

- The American Community Survey (ACS)
- The Current Population Survey (CPS)
- The Medical Expenditure Panel Survey – Household Component (MEPS-HC)
- The National Health Interview Survey (NHIS)

In this brief, we present current and historical national estimates of uninsurance along with the most recent available state-level estimates from these surveys. We also discuss the main reasons for variation in the estimates across the different surveys.

National Estimates

Table 1 shows the most recent available estimates of uninsurance from each of the four surveys listed above. Some of the surveys produce estimates of the number of adults who were uninsured for an entire year, while others estimate uninsurance at a specific point in time (i.e., at the time of the survey), and some collect multiple measures of uninsurance.


Table 1. National Uninsurance Estimates from Four Federal Surveys: Total Population

Survey	Time Period	Uninsured for the Entire Year		Uninsured at a Specific Point in Time	
		Number (millions)	Percent of Population	Number (millions)	Percent of Population
ACS	2016	N/A	N/A	27.3	8.6
CPS	2016	28.1	8.8	N/A	N/A
MEPS	2015	26.1	8.1	N/A	N/A
NHIS	2016	16.7	5.2	28.6	9.0

Sources: CPS estimates from U.S. Census Bureau, 2017, "Health Insurance Coverage in the United States: 2016"; ACS estimates for civilian noninstitutionalized population from U.S. Census Bureau, 2017, "Health Insurance Coverage in the United States: 2016" and American Fact Finder, accessed September 15, 2017; NHIS estimates from Cohen, Zammit, and Martinez, 2017, "Health Insurance Coverage: Early Release of Estimates From the National Health Interview Survey, 2016"; MEPS estimates from https://meps.ahrq.gov/mepsweb/data_states/summary_tables/nhisp_june2015/5/availability.pdf.

See Appendix A for key information from each of these surveys, such as who is included in the survey, when and how the survey is conducted, response rates, and the availability of state-level insurance estimates.

¹Another federal survey that provides estimates of the uninsured is the Behavioral Risk Factor Surveillance System (BRFSS), which provides uninsurance estimates for the adult population 18 years and over nationally and among states. Details about the BRFSS are included in Appendix A, and estimates from the BRFSS are provided in Appendix B.



STATE HEALTH ACCESS DATA ASSISTANCE CENTER


Comparing Federal Government Surveys that Count the Uninsured: 2017

Table 2: 2016 State-Level Uninsured Rates from Three Federal Surveys: Total Population

	ACS	CPS	NHIS		ACS	CPS	NHIS
	(Point-in-Time)	(Full Year)	(Point-in-Time)		(Point-in-Time)	(Full Year)	(Point-in-Time)
United States	8.6	8.8	9.0	Missouri	8.9	8.3	9.4
Alabama	9.1	8.7	10.0	Montana	8.1	7.0	9.3
Alaska	14.0	13.6	N/A	Nebraska	8.6	6.9	10.2
Arizona	10.0	12.1	11.0	Nevada	11.4	8.7	11.0
Arkansas	7.9	7.7	7.1	New Hampshire	5.9	6.5	7.2
California	7.3	7.7	7.1	New Jersey	8.0	7.9	7.2
Colorado	7.5	9.6	7.7	New Mexico	9.2	11.2	11.3
Connecticut	4.9	6.1	3.9	New York	6.1	5.6	5.4
Delaware	5.7	8.9	3.6	North Carolina	10.4	10.8	11.4
Dist. of Columbia	3.9	5.2	N/A	North Dakota	7.0	7.7	N/A
Florida	12.5	12.0	13.8	Ohio	5.6	5.6	6.3
Georgia	12.9	12.3	12.9	Oklahoma	13.8	10.5	16.5
Hawaii	3.5	5.4	2.7	Oregon	6.2	5.3	8.3
Idaho	10.1	8.8	11.2	Pennsylvania	5.6	4.8	7.2
Illinois	6.5	7.4	5.7	Rhode Island	4.3	4.8	4.2
Indiana	8.1	6.6	7.8	South Carolina	10.0	9.1	10.0
Iowa	4.3	5.2	3.7	South Dakota	8.7	7.8	N/A
Kansas	8.7	8.4	7.9	Tennessee	9.0	11.2	8.9
Kentucky	5.1	6.2	6.8	Texas	16.6	15.3	18.7
Louisiana	10.3	10.6	13.1	Utah	8.8	12.1	7.1
Maine	8.0	7.1	7.7	Vermont	3.7	5.4	N/A
Maryland	6.1	6.3	5.6	Virginia	8.7	10.0	9.3
Massachusetts	2.5	5.6	*2.6	Washington	6.0	7.0	5.7
Michigan	5.4	6.3	6.7	West Virginia	5.3	7.3	6.2
Minnesota	4.1	5.9	5.0	Wisconsin	5.3	7.2	6.5
Mississippi	11.8	11.9	12.3	Wyoming	11.5	9.7	N/A

* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) greater than 30% and less than or equal to 50% and should be used with caution. N/A Data not shown have an RSE greater than 50% or could not be shown due to considerations of sample size.

Sources: ACS estimates for civilian noninstitutionalized population from U.S. Census Bureau, 2017, "Health Insurance Coverage in the United States: 2016" and American Fact Finder, accessed September 15, 2017; CPS estimates from U.S. Census Bureau, 2017, CPS Table Creator, Accessed September 13, 2017; NHIS estimates from Cohen, Zammit, and Martinez, 2017, "Health Insurance Coverage: Early Release of Estimates From the National Health Interview Survey, 2016."



STATE HEALTH ACCESS DATA ASSISTANCE CENTER

The screenshot shows the top section of the State Health Compare website. The header features the title "STATE HEALTH COMPARE" in white on a teal background. To the right are two buttons: "Explore Data" and "About". Below the header, there are three icons: a bar chart, a line graph, and a clipboard with a checklist. To the right of these icons is the text "Use State Health Compare to create customized reports for state-level health estimates". Below this text is a button labeled "Explore the Data >". At the top right of the teal area, there are three links: "< Share", "✉ Email", and "Download Data".

————— Data Highlight —————

Since 2016, the percent of **employees enrolled in high deductible plans increased 6.1 percentage points**. This increase was larger than 10 percentage points in five states – FL, UT, VT, VA and SD.



————— Data Highlight —————

Since 2016, the percent of **employees enrolled in high deductible plans increased 6.1 percentage points**. This increase was larger than 10 percentage points in five states – FL, UT, VT, VA and SD.

Explore Data

Show available breakdowns (Age, Education, Race/Ethnicity...)

Health Insurance Coverage

Coverage Type

Workers in Establishments that Offer Coverage

Cost of Care - Dollars

People with High Medical Care Cost Burden

Average Annual ESI Premium

Employee Contributions to Premiums

High Deductible Plans

Costs of Potentially Preventable Hospitalizations

Medicaid Expenses as Percent of State Budget

Cost of Care - Behavior Changes

Adults Who Forgo Needed Medical Care

Made Changes to Medical Drugs

Trouble Paying Medical Bills

Access to Care

Adults with No Personal Doctor

No Trouble Finding Doctor

Told that Provider Accepts Insurance

Had Usual Source of Medical Care

Utilization of Care

Had General Doctor or Provider Visit

Had Emergency Department Visit

Spent the Night in a Hospital

Quality of Care

Adult Cancer Screenings

Adult Potentially Preventable Hospitalizations

Child Potentially Preventable Hospitalizations

Child Vaccinations

Explore Data

Show available breakdowns (Age, Education, Race/Ethnicity...)

Health Insurance Coverage

Coverage Type

Workers in Establishments that Offer Coverage

Cost of Care - Dollars

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Average Annual ESI Premium

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Quality of Care

Adult Cancer Screenings

Adult Potentially Preventable Hospitalizations

Child Potentially Preventable Hospitalizations

Child Vaccinations

Health Insurance Coverage Type

[Map](#)[Rank](#)[Trend](#)[Bar](#)[Table](#)

BREAKDOWN

[Total](#)

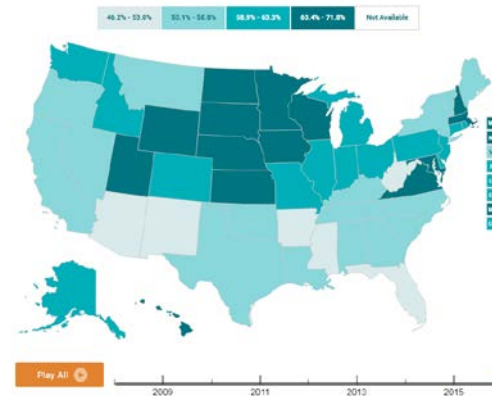
TIMEFRAME (SELECT 1)

[2016](#)

COVERAGE TYPE (SELECT 1)

[Private](#)

DATA TYPE

 Percent Number

Health Insurance Coverage Type

[Map](#)[Rank](#)[Trend](#)[Bar](#)[Table](#)

BREAKDOWN

[Total](#)[Total](#)[Age](#)[Citizenship](#) Number



VIRTUAL TOUR: SHADAC STATE HEALTH COMPARE

May 23, 2017, 1:00 PM EDT

You will be connected to broadcast audio through your computer.

You can also connect via telephone:
Dial-In **(888) 378-4398**, Participant Passcode **187624**

Slides and handouts at:
www.shadac.org/StateHealthCompareVirtualTour



- Guided tour of the user interface
- Overview of available estimates
- Guidance on generating maps, bar charts, trend lines, and tables
- Demonstration of how to download graphics and export the underlying data

2017 State & County Tables, Example: Minnesota

Subject	2016		2017	
	Population	% Uninsured	Population	% Uninsured
Total civilian noninstitutionalized population				
United States	318,175,867	8.6	320,775,014	8.7*
Minnesota	5,462,438	4.1	5,519,199	4.4*
Age				
Under 19 years	(no data)	(no data)	1,372,988	3.4
19 to 64 years	(no data)	(no data)	3,317,065	5.8
19 to 25 years	499,225	6.4	490,213	6.4
65 years and older	800,451	0.2	829,146	0.3
Race/Ethnicity				
White alone	4,552,519	3.2	4,564,911	3.5*
Black or African American alone	323,107	7.2	354,269	6.4
American Indian and Alaska Native alone	60,807	16.7	58,623	17.0
Asian alone	258,067	3.5	272,411	4.1
Native Hawaiian and Other Pacific Islander alone	1,398	8.6	1,976	20.2
Some other race alone	111,329	24.2	110,248	23.8
Two or more races	155,211	5.4	156,761	7.0*
Hispanic or Latino (of any race)	285,726	17.6	293,945	17.3
White alone, not Hispanic or Latino	4,401,935	2.8	4,411,286	3.2*
Citizenship Status				
Native born	5,012,161	3.4	5,036,725	3.7*
Naturalized	228,194	4.5	252,865	5.1
Not a citizen	222,083	20.1	229,609	18.4

	All People			
	2016		2017	
	Population	% Uninsured	Population	% Uninsured
United States	318,175,867	8.6	320,775,014	8.7*
Minnesota	5,462,438	4.1	5,519,199	4.4
Anoka	343,566	3.7	348,825	4.6
Blue Earth	65,698	4.7	66,340	3.2*
Carver	99,996	2.5	101,847	3.2
Dakota	415,495	3.7	419,779	3.1
Hennepin	1,224,030	4.3	1,243,410	4.7
Olmsted	151,431	4.9	153,249	3.1*
Ramsey	536,323	4.5	543,833	5.0
Rice	63,016	4.1	63,403	3.0
St. Louis	196,892	2.9	196,917	4.2*
Scott	141,859	3.5	144,151	2.9
Sherburne	91,503	2.9	92,626	2.9
Stearns	154,571	3.0	156,729	3.5
Washington	249,888	2.4	253,353	3.2
Wright	131,763	2.3	133,442	3.7*

MN Population Center Releases (IPUMS)

- 2017 CPS data available.
- 2017 ACS data files will be released about 2 weeks after microdata are available from the Census Bureau



- SHADAC Health Insurance Unit (HIU) and Federal Poverty Guidelines (FPG) variables for CPS and ACS will be available through IPUMS soon.
- <http://www.ipums.org>

Question & Answer



Kathleen Call
SHADAC



Brett Fried
SHADAC



Sharon Stern
U.S. Census Bureau



Edward Berchick
U.S. Census Bureau



Submit questions using the chat feature or tweet question to @SHADAC.

Contact Information

Direct inquires to
Kathleen Call, callx001 [@umn.edu](mailto:callx001@umn.edu)
or shadac@umn.edu



SUBSCRIBE to SHADAC's e-newsletter to stay updated on the latest resources at shadac.org



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The SHADAC logo features the word "shadac" in a bold, lowercase, teal sans-serif font. Above the letters "a" and "d" is a thick, curved teal line that arches over the text. A thinner, orange curved line is positioned above the teal line, also arching over the text.

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