

# STATE-LEVEL ESTIMATES FROM THE NHIS RESTRICTED DATA: ANALYSIS TO SUPPORT STATES IMPLEMENTATION AND EVALUATION OF THE ACA

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# Background

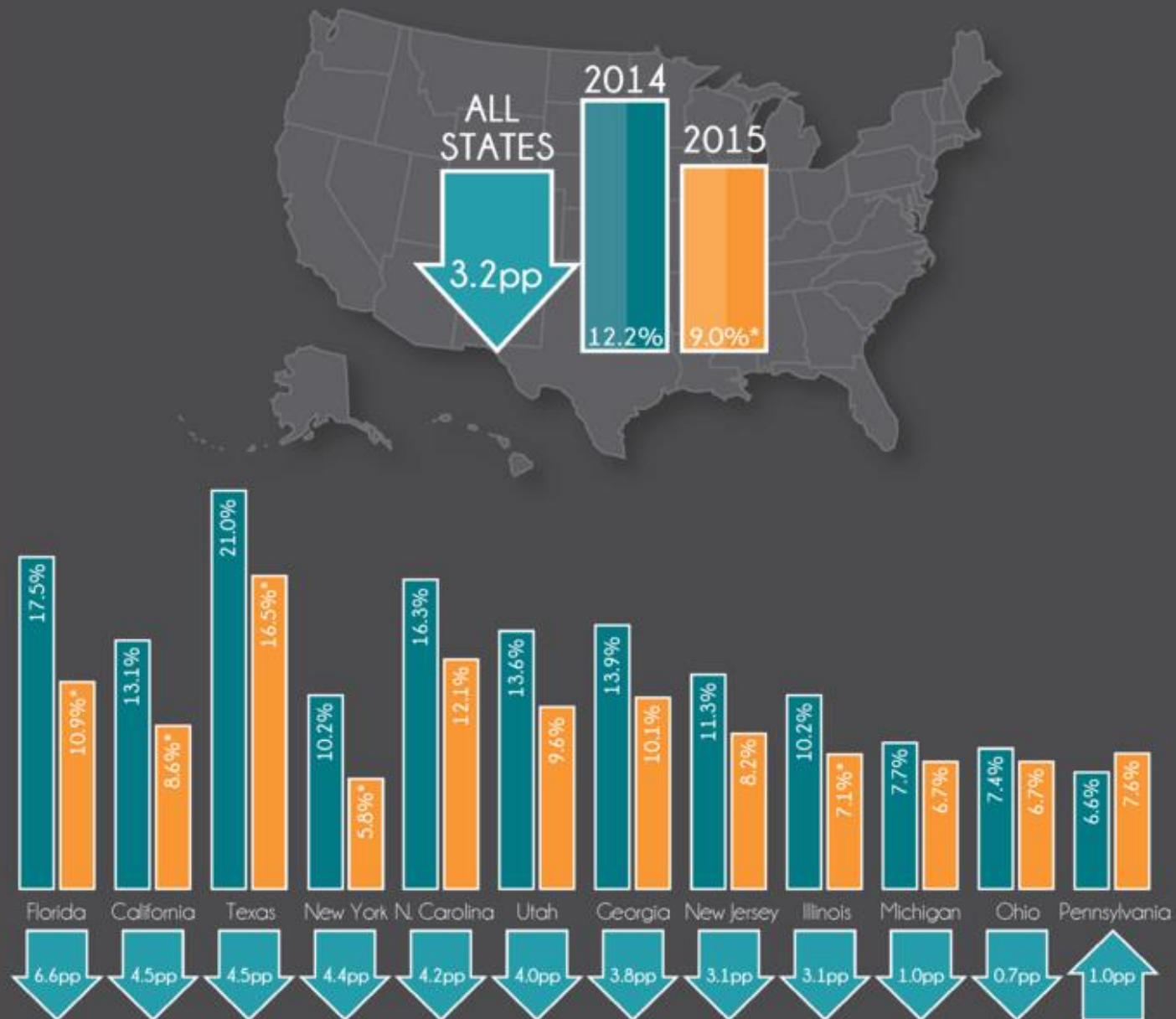
The Affordable Care Act (ACA) has made significant changes in health insurance coverage and health care systems across the U.S.

States responsible for implementing many of the key elements

State program administrators and policymakers need reliable state-level data

# PERCENT UNINSURED AT TIME OF INTERVIEW (ALL AGES)

(January - June 2014 and January - June 2015)



\*Statistically significant (1.95%)

# Data Needs to Evaluate the ACA

Rich data on health care access, utilization, affordability, and health insurance coverage

State-representative samples

Timely

Study changes over time

# National Health Interview Survey (NHIS)

Key data source for monitoring health and health care use of the US population since 1957

Conducted annually by the National Center for Health Statistics (NCHS)

In 2011, added new questions for monitoring the ACA's impact

Sample augmentation

- Uninsured estimates now available for all states

# Challenges of Using the NHIS for State-Level Analysis

State-level identifiers are not available on public use files; access restricted to a NCHS or Census Research Data Center

Available sample weights do not account for state population totals and characteristics

- Explored creating state-level weights, but did not have enough information

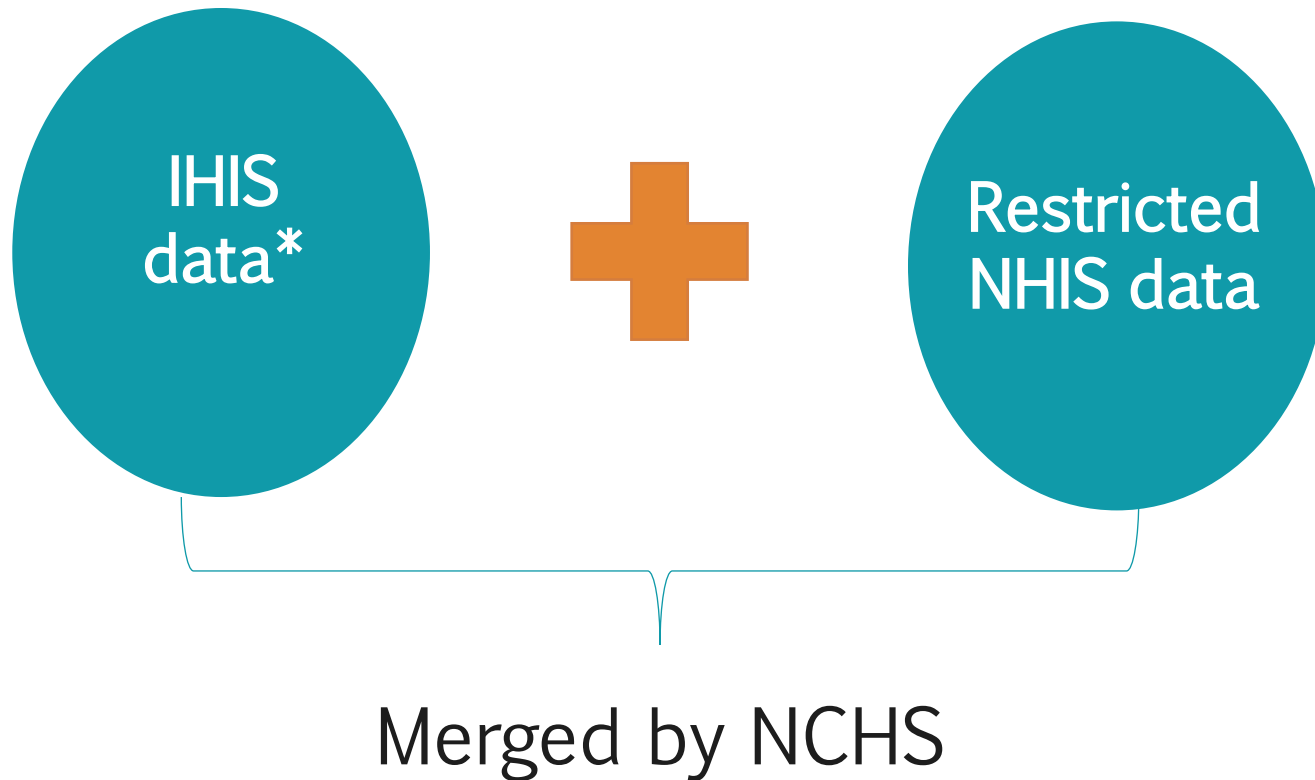
# Project Goals

Expand the role of NHIS in helping states to evaluate and monitor health reform

Produce state-level estimates and make these publically available via SHADAC's Data Center

Submitted a proposal to conduct work at the University of Minnesota's Census Research Data Center (MnRDC)

# Data Linking



Integrated Health Interview Series – Harmonized NHIS data produced by the Minnesota Population Center and SHADAC ([www.ihis.us/ihis](http://www.ihis.us/ihis))



# RDC PROCESS

Creation: **1-3 months**

Approval/Revisions:  
**6-12 weeks**

## Proposal





Proposal

SSS

After SSS forms  
have been  
submitted: **4-6  
weeks**

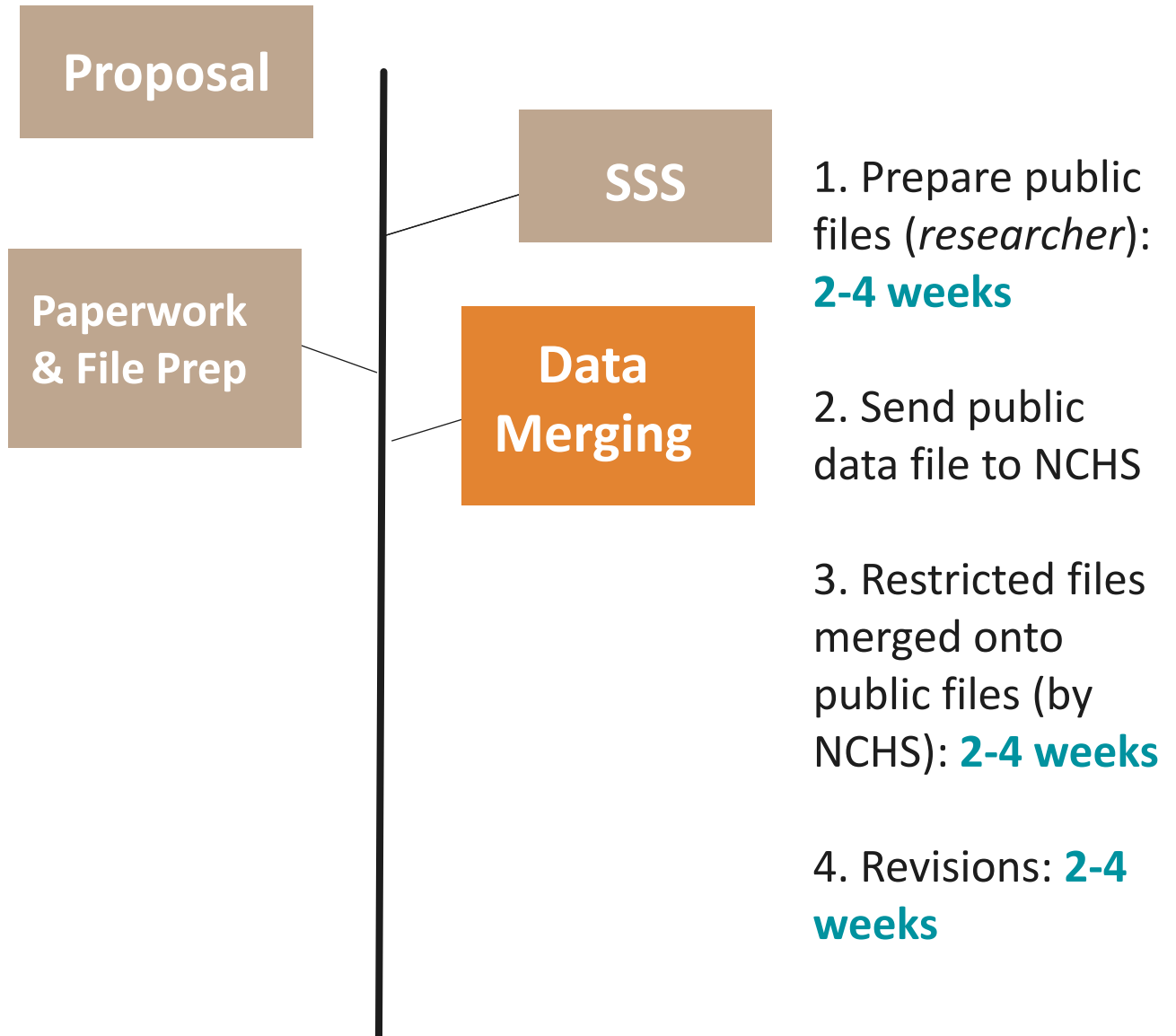
Supplement  
any forms  
for the RDC

Create  
analyses  
programs  
using public  
data

Proposal

Paperwork  
& File Prep

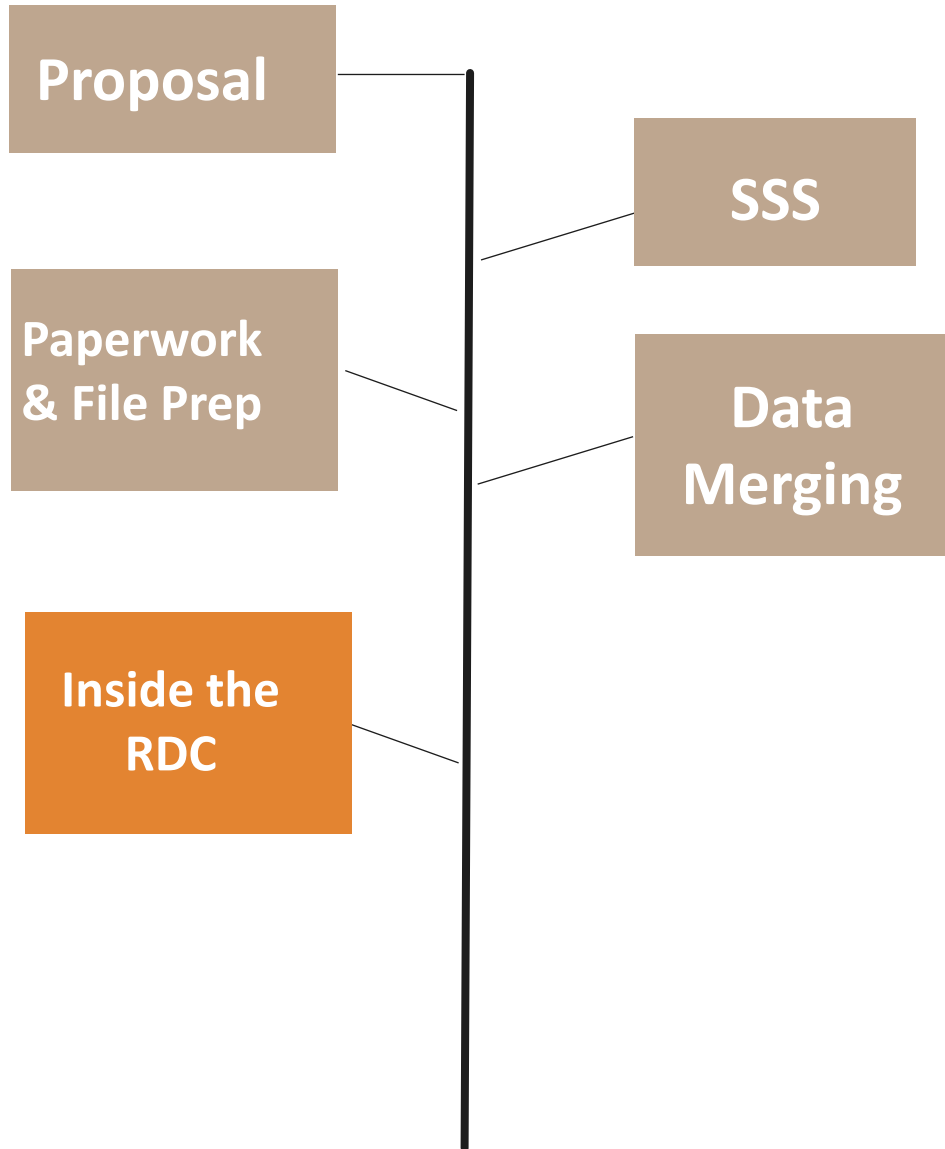
SSS

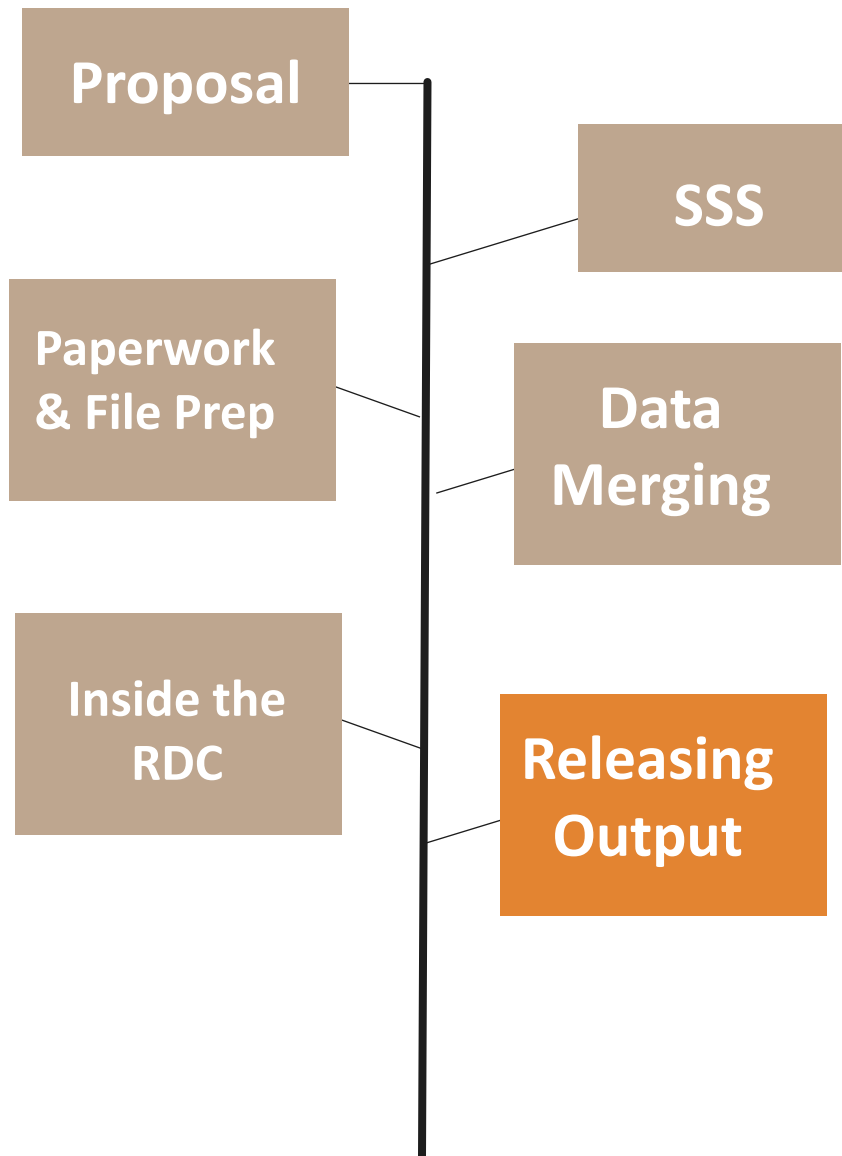


Getting acquainted: **1 week**

Analyses: time **varies** by project

*Note:* Max time allotted → **3 years** from date project is approved





**Strict requirements!**

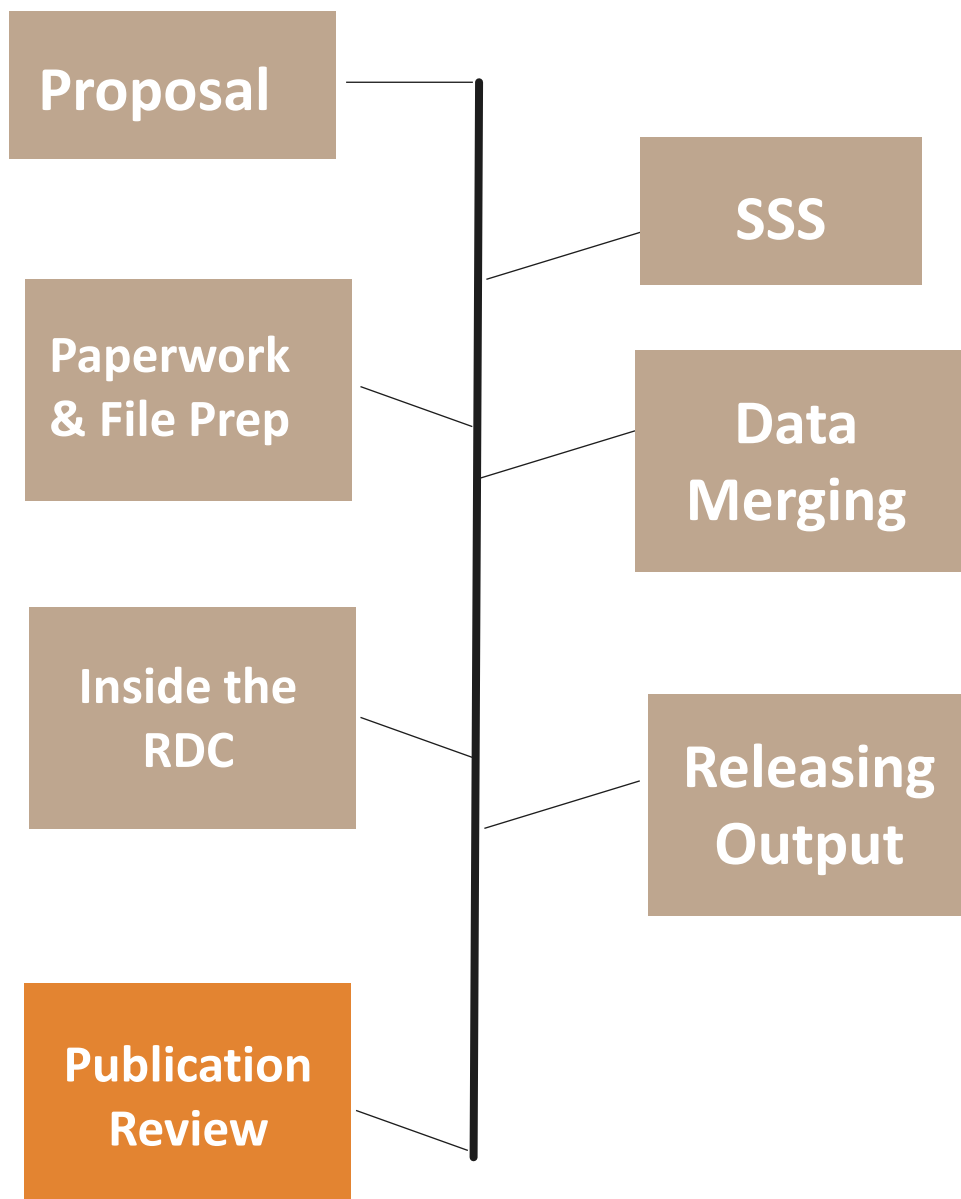
1. Cells with < 5
2. Formatting
3. No intermediate output

Preparation: **2-3 weeks**

After requested: **3-4 weeks**

Separate  
review of  
materials  
(e.g., journal  
articles and  
tables for  
websites)


After  
requested:  
**2-4 weeks**





# SHADAC DATA CENTER

<http://datacenter.shadac.org/>



Create customized reports on state-level health insurance coverage, access, and cost with *Data Center*, from State Health Access Data Assistance Center (SHADAC)

## CREATE A REPORT

Location Profile

By Location

Maps + Charts

By Topic

By Data Source

## STAY UPDATED



Receive the latest in health insurance coverage, access, and cost. Join SHADAC's mailing list.



## Maps & Charts

**Step 1:** Choose an Indicator by Topic or by Data Source?

Data Source: NHIS

**Step 2:** Select an indicator.

### Access to Care

Had Usual Source of Medical Care Other than Emergency Department in Past Year by Age

No Trouble Finding Doctor in Past Year by Age

Told that Provider Does Accept Insurance Type in Past Year by Age

### Affordability of Health Care

Needed but Delayed Medical Care Due to Cost in Past Year by Age

Needed but Did Not Get Medical Care Due to Cost in Past Year by Age

Trouble Paying Medical Bills or Paying Off Bills Over Time in Past Year by Age

Made Changes to Medical Drugs Because of Cost in Past Year by Age

### Health Care Utilization

Had General Doctor or Provider Visit in Past Year by Age

Had Visit to Emergency Department in Past Year by Age

Spent the Night in Hospital in Past Year by Age

### Insurance Coverage by Demographics

Age

# Needed but Did Not Get Medical Care Due to Cost in Past Year by Age

Age: 0-64

Single Year: 2013; Data Type: Percent

1 2 3 Rank

Trend

Map

Bar

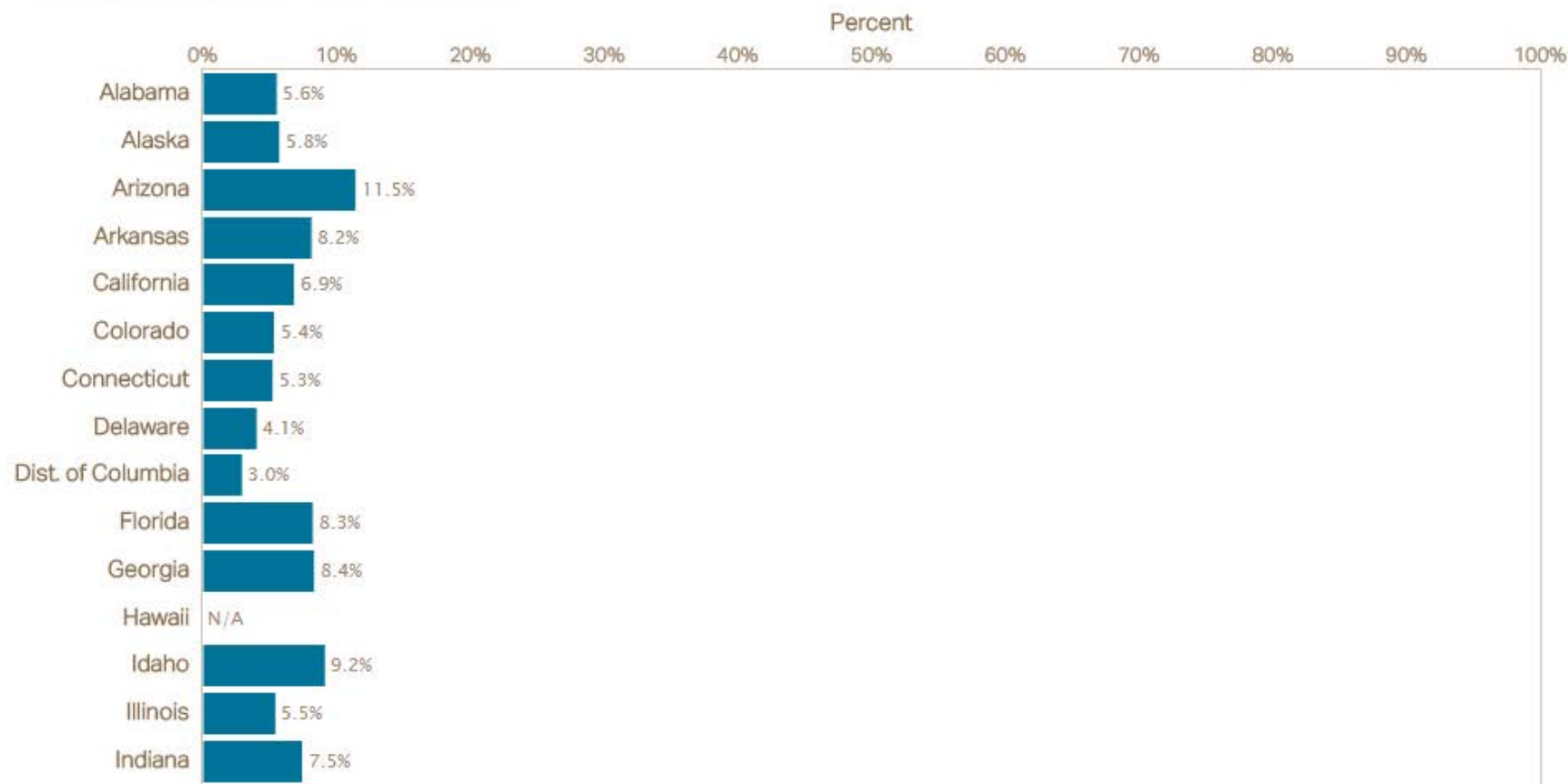
Edit this Chart (Years, etc)

Change the Indicator

Start Over

Age: 0-64

SORT BY: Location | Lowest Value | Highest Value





# Needed but Did Not Get Medical Care Due to Cost in Past Year by Age

Age: 0-64

Single Year: 2013; Data Type: Percent

1 2 3 Rank

Trend

Map

Bar

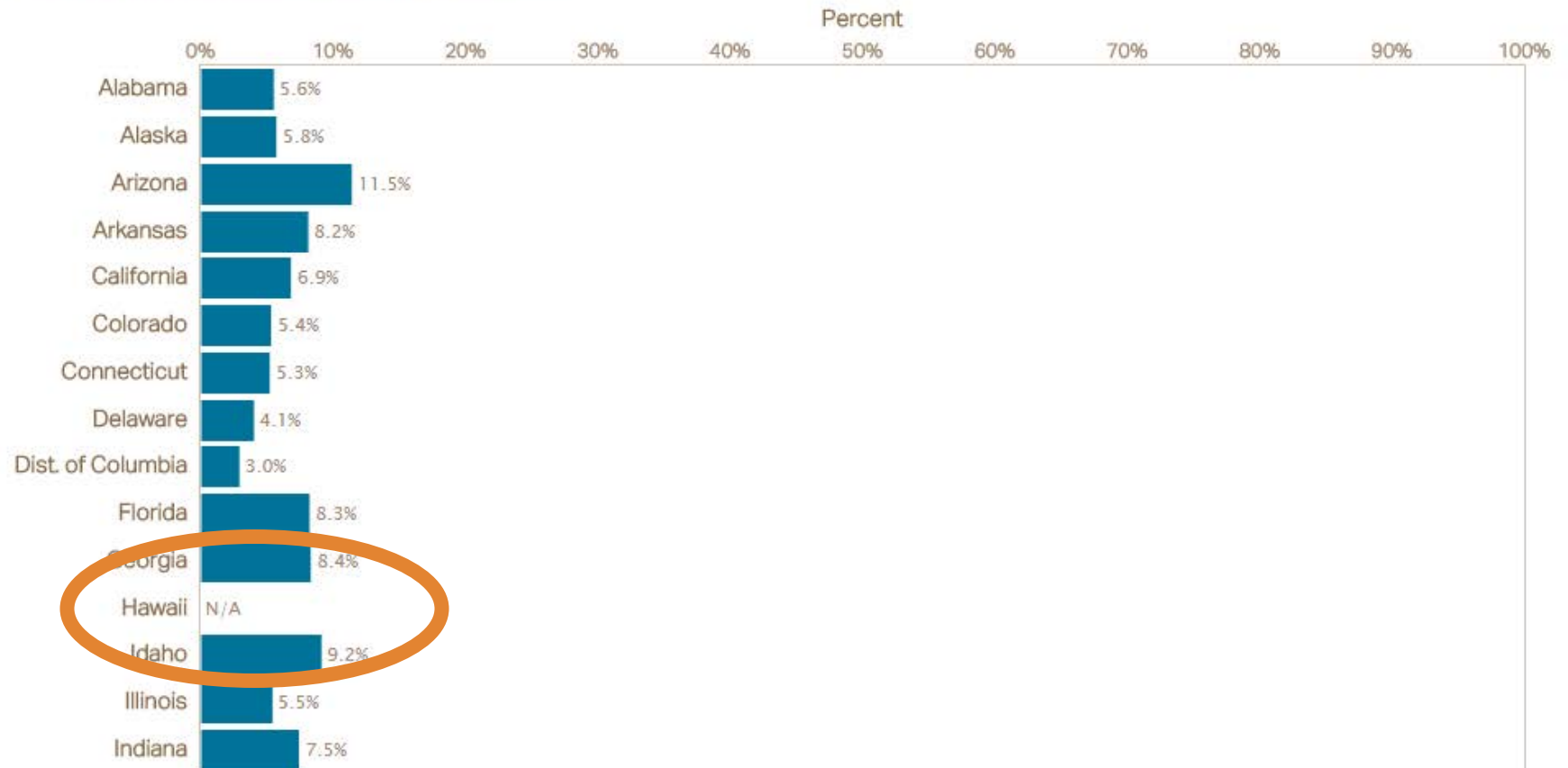
Edit this Chart (Years, etc)

Change the Indicator

Start Over

Age: 0-64

SORT BY: Location | Lowest Value | Highest Value



# Needed but Did Not Get Medical Care Due to Cost in Past Year by Age

Age: 0-64

Single Year: 2013; Data Type: Percent (include margin of error)

Rank

Tre

Map

Bar

Edit this Chart (Years, etc)

Change the Indicator

Start Over

Age: 0-64

SORT BY: Location | Lowest Value | Highest Value

Margin of Error

Percent



# Had Visit to Emergency Department in Past Year by Age

Age: 0-64

Single Year: 2013; Data Type: Percent

1 2 3 Rank

Trend

Map

Bar

Edit this Chart (Years, etc)

Change the Indicator

Start Over

Age: 0-64

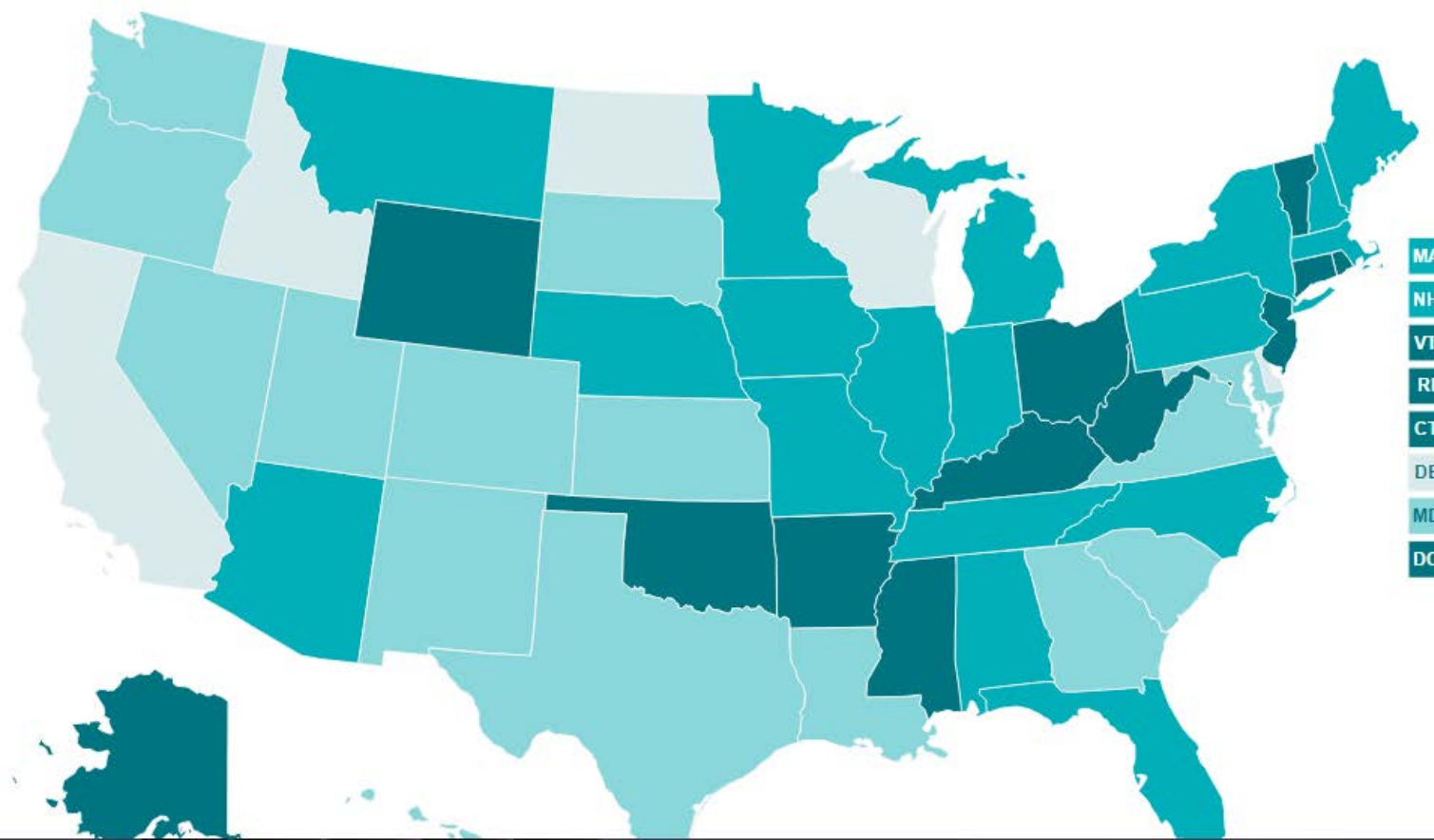
8.2% - 14.0%

14.1% - 17.7%

17.8% - 21.0%

21.1% - 26.3%

Not Applicable



# Trouble Paying Medical Bills or Paying Off Bills Over Time in Past Year by Age

Location: 3 Selected

Age: 0-64

Single Year: 2011 to 2013; Data Type: Percent

1  
2  
3

Rank



Trend



Map



Bar



Edit this Chart (Years, etc)

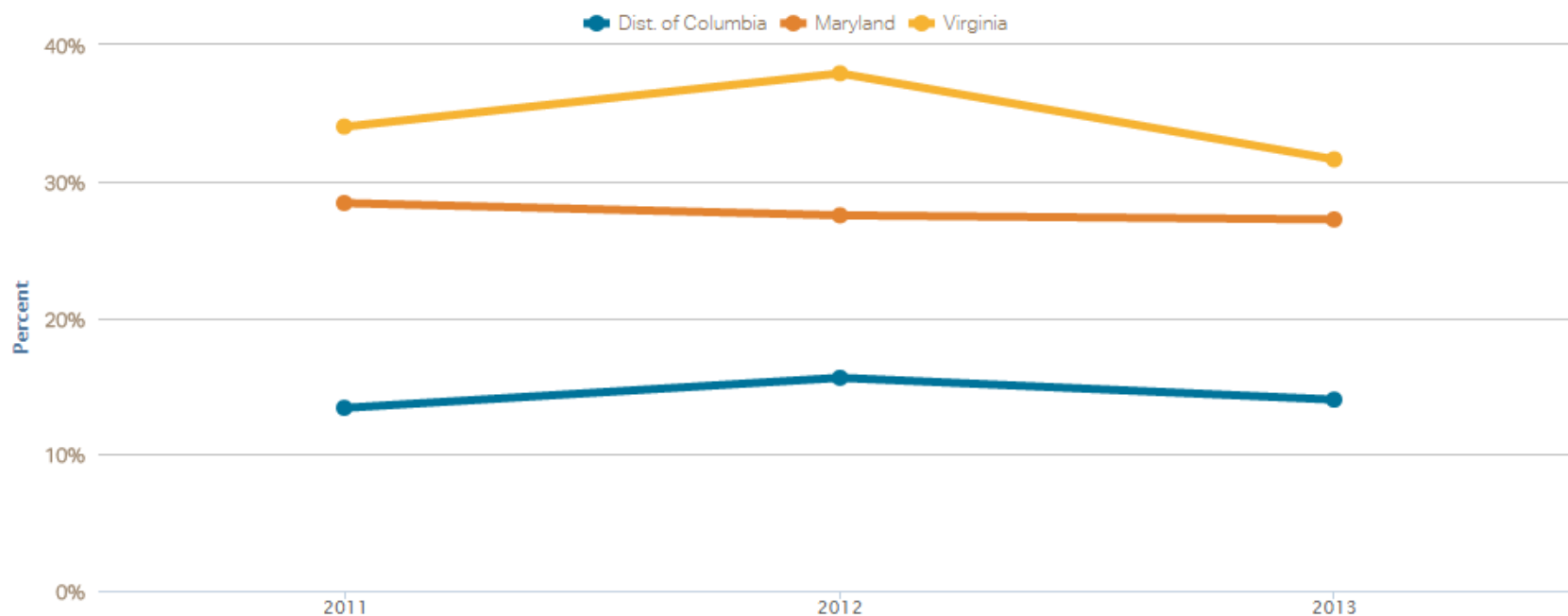


Change the Indicator



Start Over

Age: 0-64





# Had General Doctor or Provider Visit in Past Year by Age

Location: Dist. of Columbia

Age: 4 Selected

Single Year: 2013; Data Type: Percent

1 2 3 Rank

Trend

Map

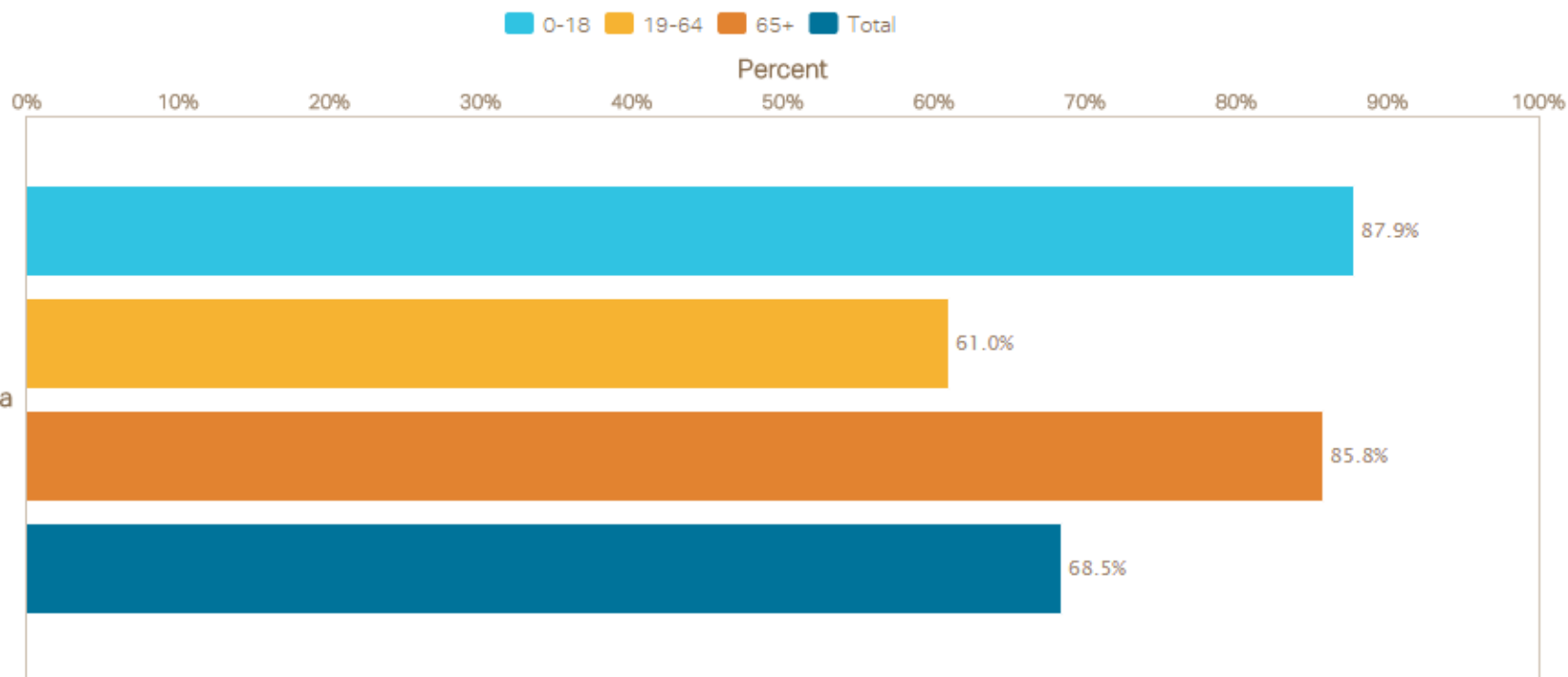
Bar

Edit this Chart (Years, etc)

Change the Indicator

Start Over

Age: 4 Selected



# Minnesota

Indicators: 1 selected

Year: Most Recent; Data Type: Percent and Margin of Error

 Edit this Profile (Years, etc)

 Start Over

## Needed but Delayed Medical Care Due to Cost in Past Year by Age (2013)

Age									
0-64		0-18		19-64		65+		Total	
%	MOE	%	MOE	%	MOE	%	MOE	%	MOE
6.6%	1.7%	N/A	N/A	8.4%	2.2%	N/A	N/A	6.2%	1.5%

Source: SHADAC analysis of National Health Interview Survey (NHIS) data, National Center for Health Statistics (NCHS). The NHIS sample is drawn from the Integrated Health Interview Survey (IHIS, MN Population Center and SHADAC). Data were analyzed at the University of Minnesota's Census Research Data Center because state identifiers and continuous income were needed to produce results and these variables are restricted.

 Get Data

# Minnesota

Indicators: 1 selected

Year: Most Recent; Data Type: Percent and Margin of Error

 Edit this Profile (Years, etc)

 Start Over

## Needed but Delayed Medical Care Due to Cost in Past Year by Age (2013)

Age									
0-64		0-18		19-64		65+		Total	
%	MOE	%	MOE	%	MOE	%	MOE	%	MOE
6.6%	1.7%	N/A	N/A	8.4%	2.2%	N/A	N/A	6.2%	1.5%

Source: SHADAC analysis of National Health Interview Survey (NHIS) data, National Center for Health Statistics (NCHS). The NHIS sample is drawn from the Integrated Health Interview Survey (IHIS, MN Population Center and SHADAC). Data were analyzed at the University of Minnesota's Census Research Data Center because state identifiers and continuous income were needed to produce results and these variables are restricted.

 Get Data



# Next Steps

Add 2014 estimates

Add measures by coverage type

- Uninsured, private, and public

# Resources

## SHADAC's Data Center

- <http://datacenter.shadac.org/>

## SHADAC brief on NHIS questionnaire changes

- <http://www.shadac.org/publications/nhis-questionnaire-changes-addressing-patient-protection-and-affordable-care-act>

## Integrated Health Interview Series (IHIS)

- <https://www.ihis.us/ihis/>

# Contact Information

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