



**Rural Virginia** Overdose Reduction  
Technical Assistance Center (TAC) ▲

# One Care Data Presentation



**PittPharmacy**  
**PER<sub>x</sub>U**

FUNDING PROVIDED BY: **Health Resources & Service Administration**

# Using Data to Drive Decisions

## Why Data?

Removes values and beliefs from the information available to make decisions

Eliminates terminology gaps between public safety and public health

Removes “he said/she said” from projects

## Considerations

Collection and standardization of process

Timeliness of analysis and dissemination

Effective public health and public safety collaboration

Translation of data to information and strategy

# Data in the Technical Assistance Process



## **Assessment**

Define the problem

## **Capacity**

Align stakeholders

Activate community

## **Planning**

Determine effective and efficient strategies to eliminate the problem

## **Implementation/Evaluation**

Perform quality improvement

Evaluate program success/failure

## **Sustainability**

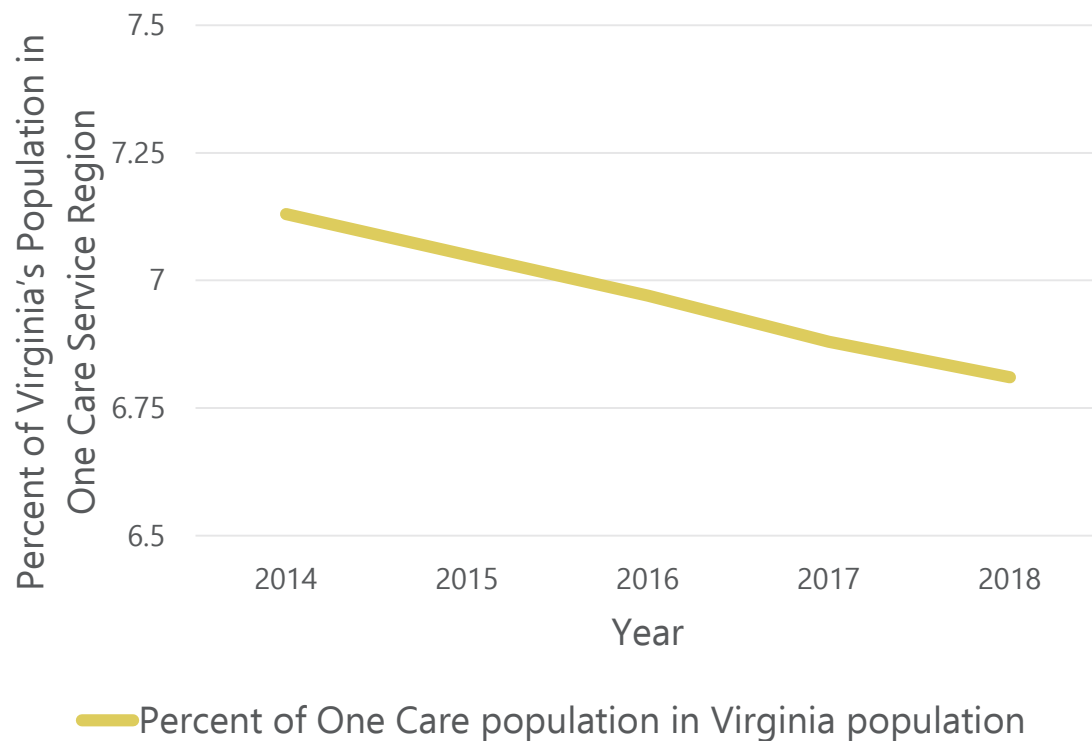
Obtain grant funding (moving to next phase/temporary)

Build local, state, national support around the strategy

Facilitate third party payment strategies

# Population Trend, 2014-2018

## Virginia vs. One Care Service Area



2018 Total Virginia population: 8.52 million

2018 One Care service area population: 0.58 million

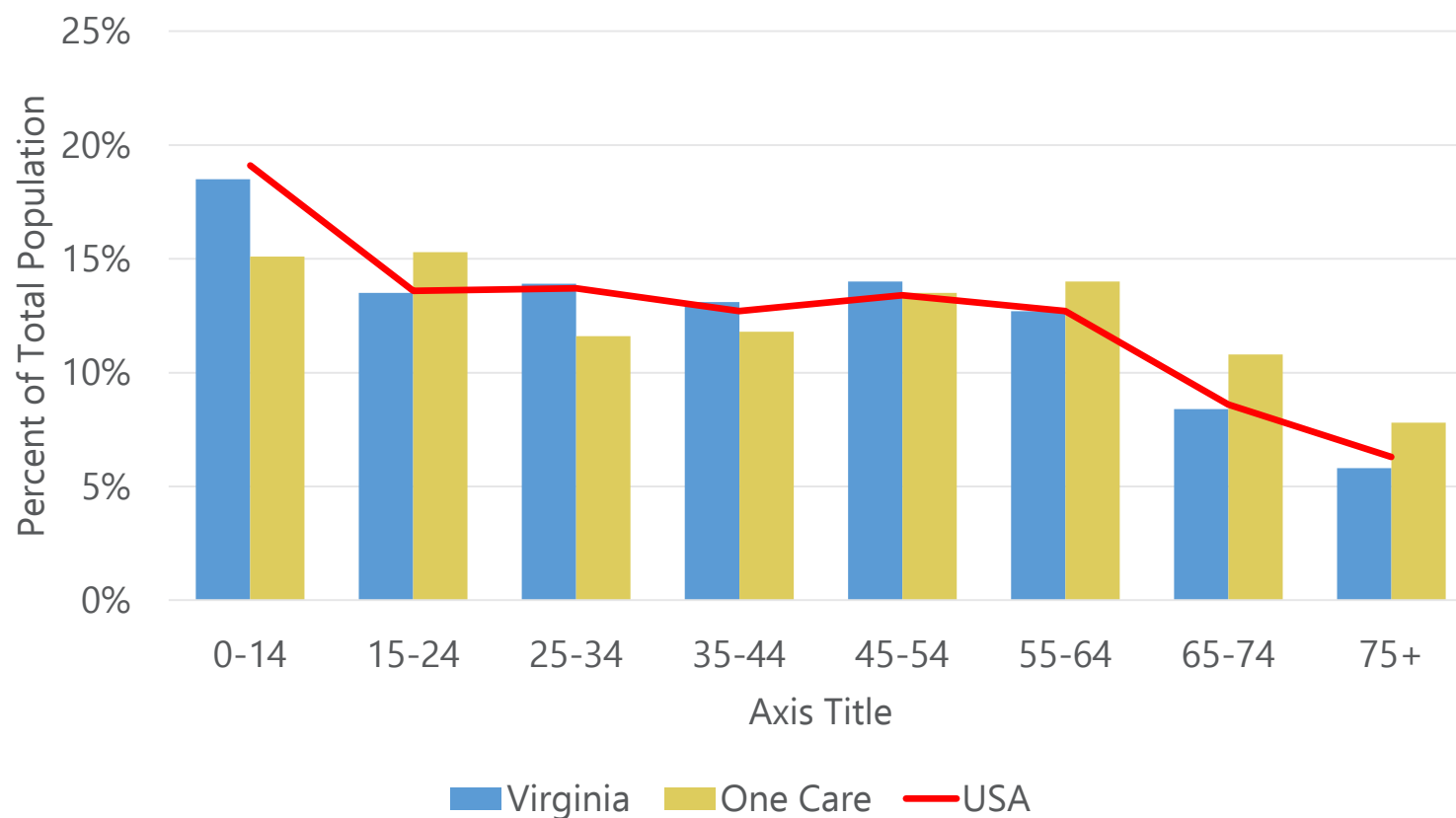
One Care service area represents 6.8% of the total Virginia population as of 2017.

Population of Virginia has increased 2.5% from 2014-2018.

Population of One Care service area has decreased 2% from 2014-2018.

# Population by Age, 2017

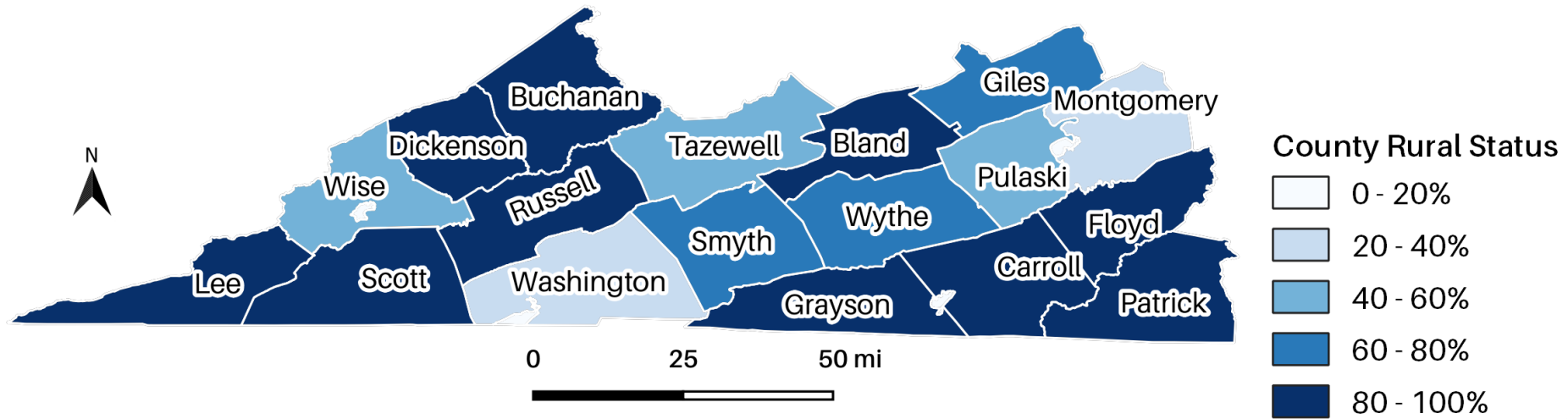
USA, Virginia, vs. One Care Service Area



One Care service area has higher than national and state percent of population in the 15-24 age group (higher education) and 55+ age groups.

# Population by Rural Status, 2018

## One Care Service Area



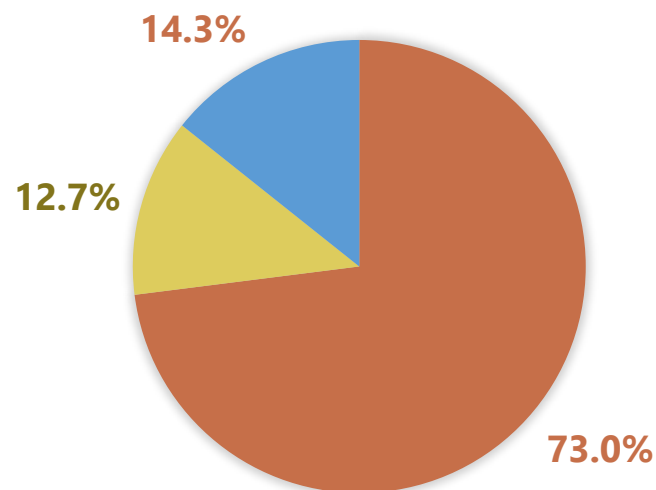
Of the 22 counties in One Care's service area:

- 68% have a primary care services shortage (15)
- 100% have a dental services shortage (22)
- 100% have a mental health services shortage (22)
- 68% are a Medically Underserved Area (15)

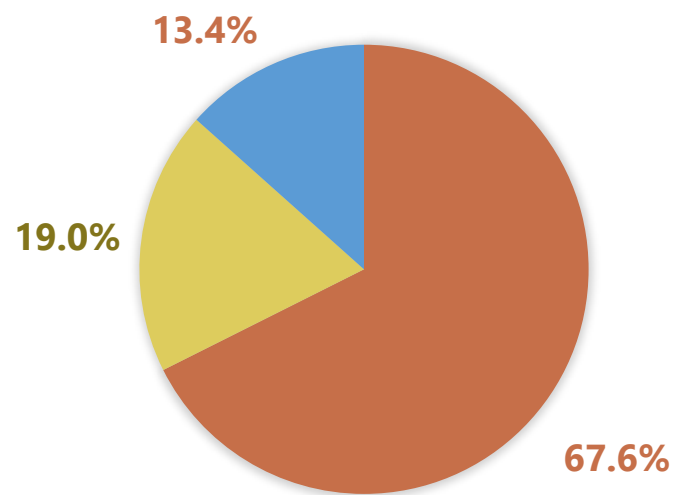
# Population by Race, 2017

USA, Virginia, vs. One Care Service Area

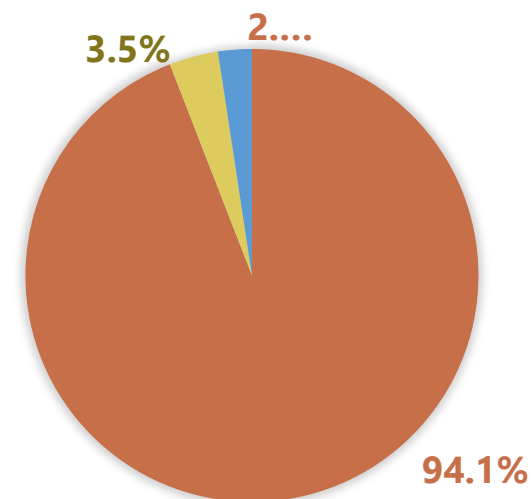
USA Percentage of  
Population by Race



Virginia Percentage of  
Population by Race



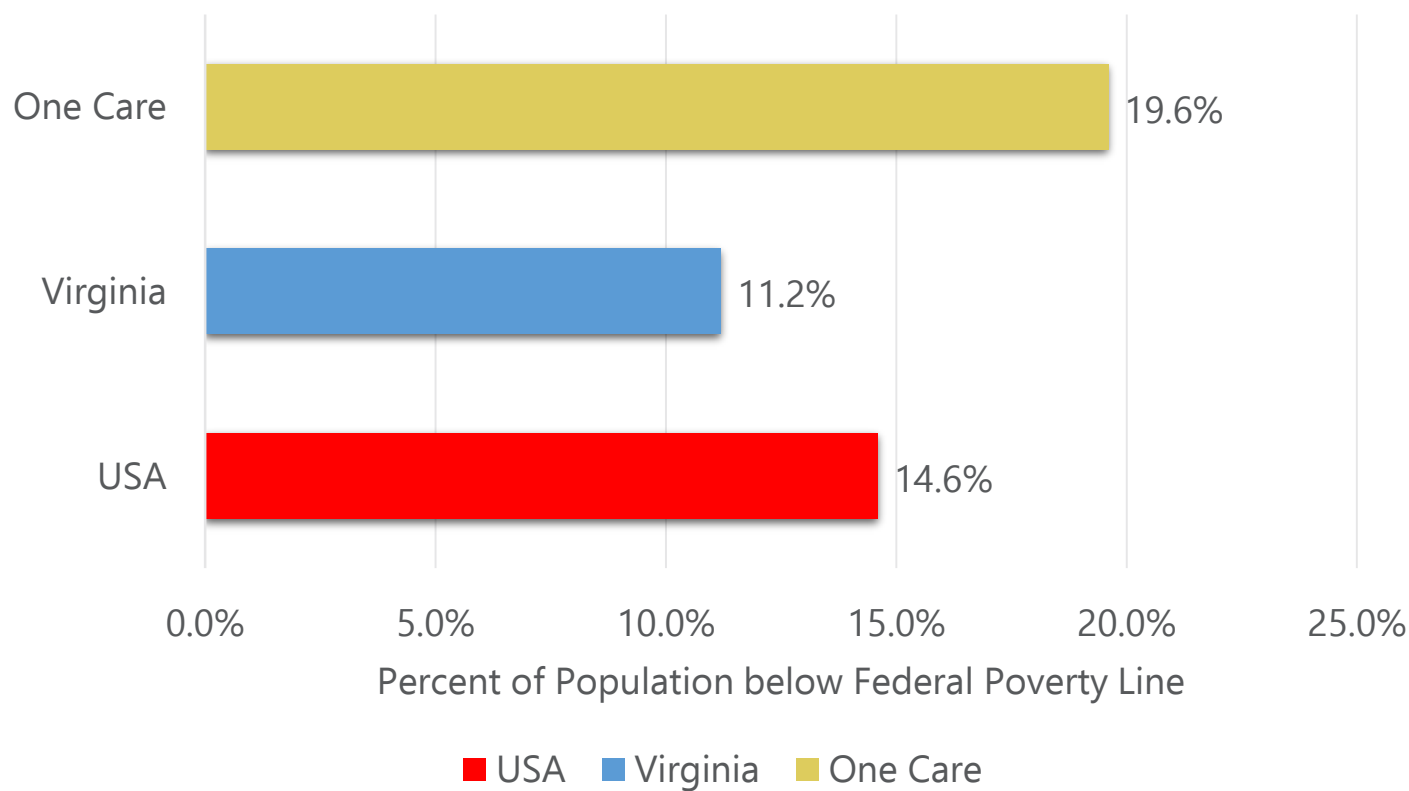
One Care Percentage  
of Population by Race



■ White ■ Black ■ Other

# Population by Poverty Status, 2017

USA, Virginia, vs. One Care Service Area



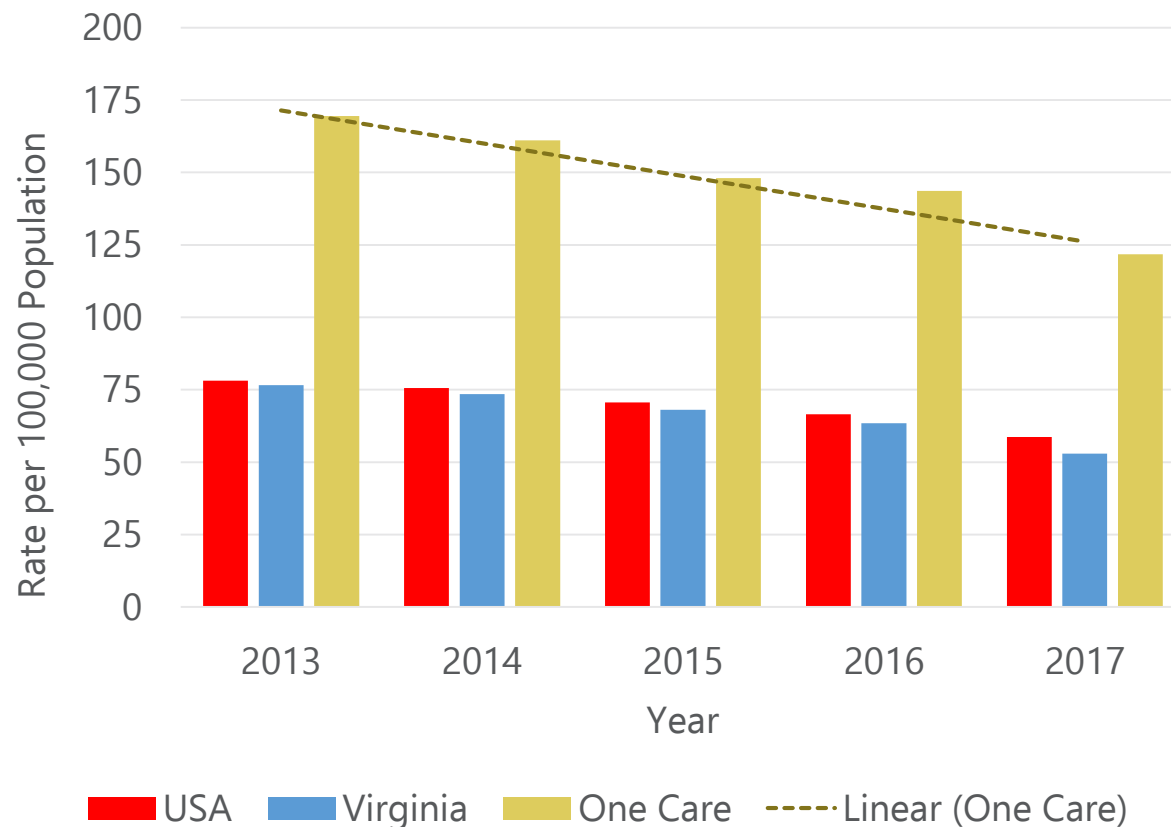
1 in 5 people in One Care's service area lives below the federal poverty.

People in One Care's service area have a 75 percent higher poverty incidence than that of Virginia.



# Opioid Prescription Rates, 2013-2017

USA, Virginia, vs. One Care Service Area



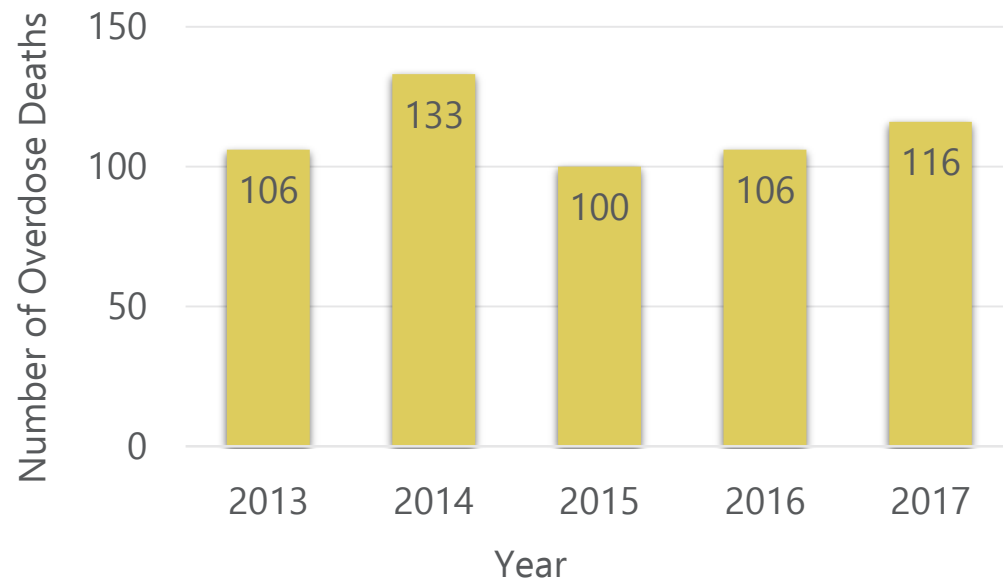
One Care service area has a significantly higher opioid prescription rate.

Near the Virginia border, Kentucky, Tennessee, and West Virginia also have significantly higher than average opioid prescription rate.

In 2017, Galax and Norton cities had an opioid prescription rate over 6 times higher than Virginia and national averages.

# Overdose Deaths, 2013-2017

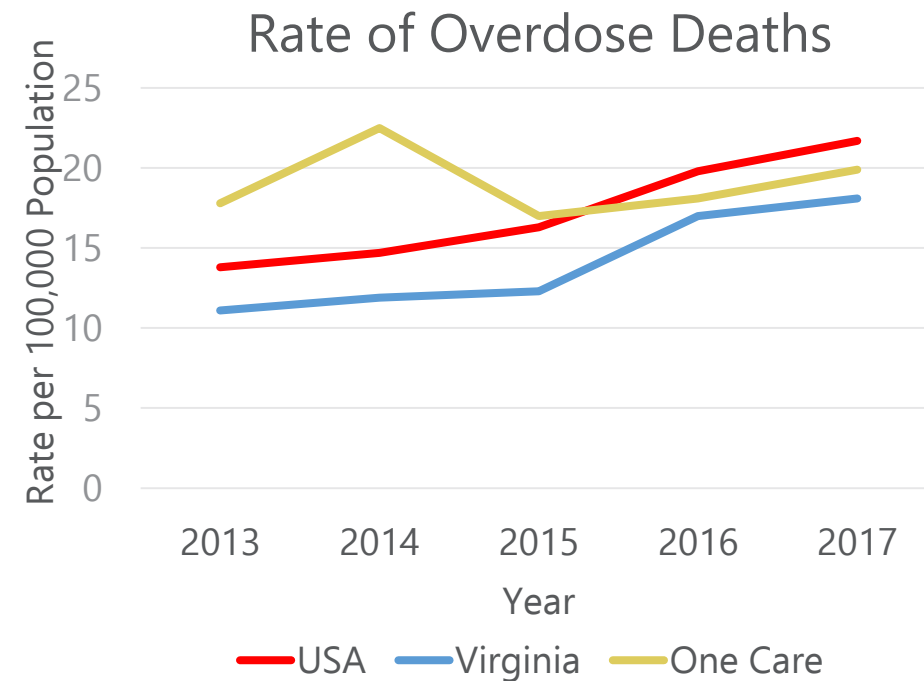
## One Care Service Area, All Drugs



One Care service area accounted for 11.6% of Virginia overdose deaths in 2013 and 7.6% in 2017.

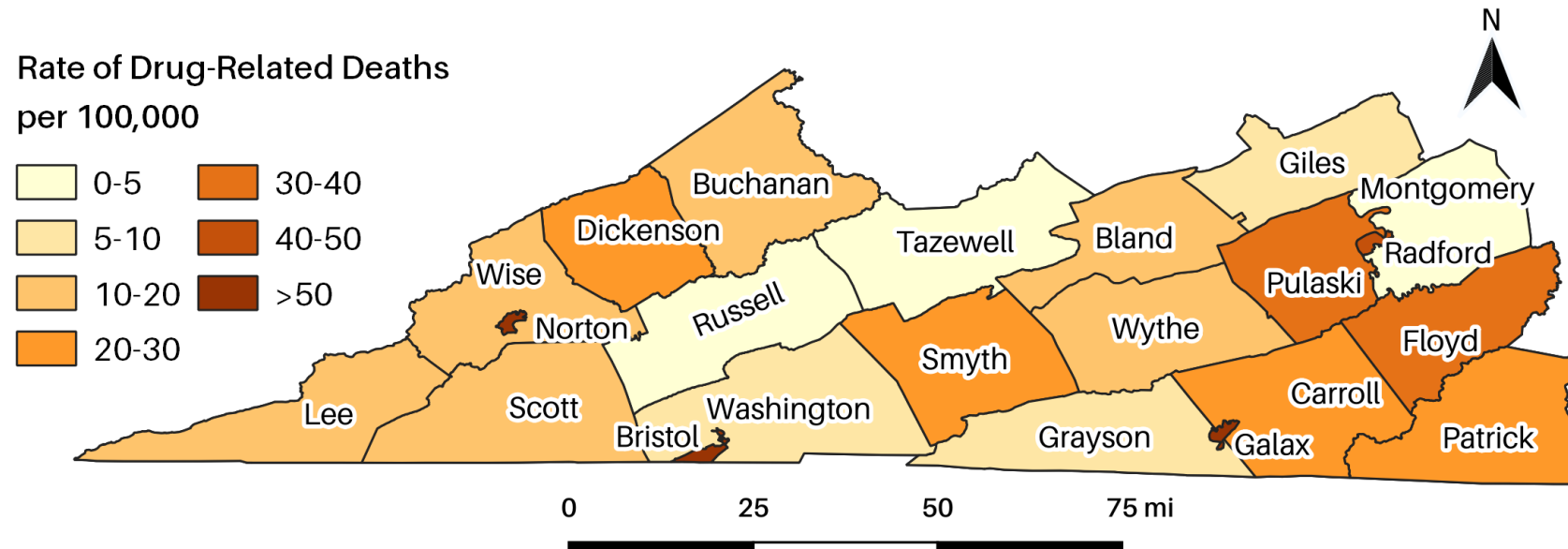
9.4% (n=10) increase in overdose deaths from 2013-2017.

One Care service area's overdose death rate is higher than Virginia, but the rate of increase is slower.



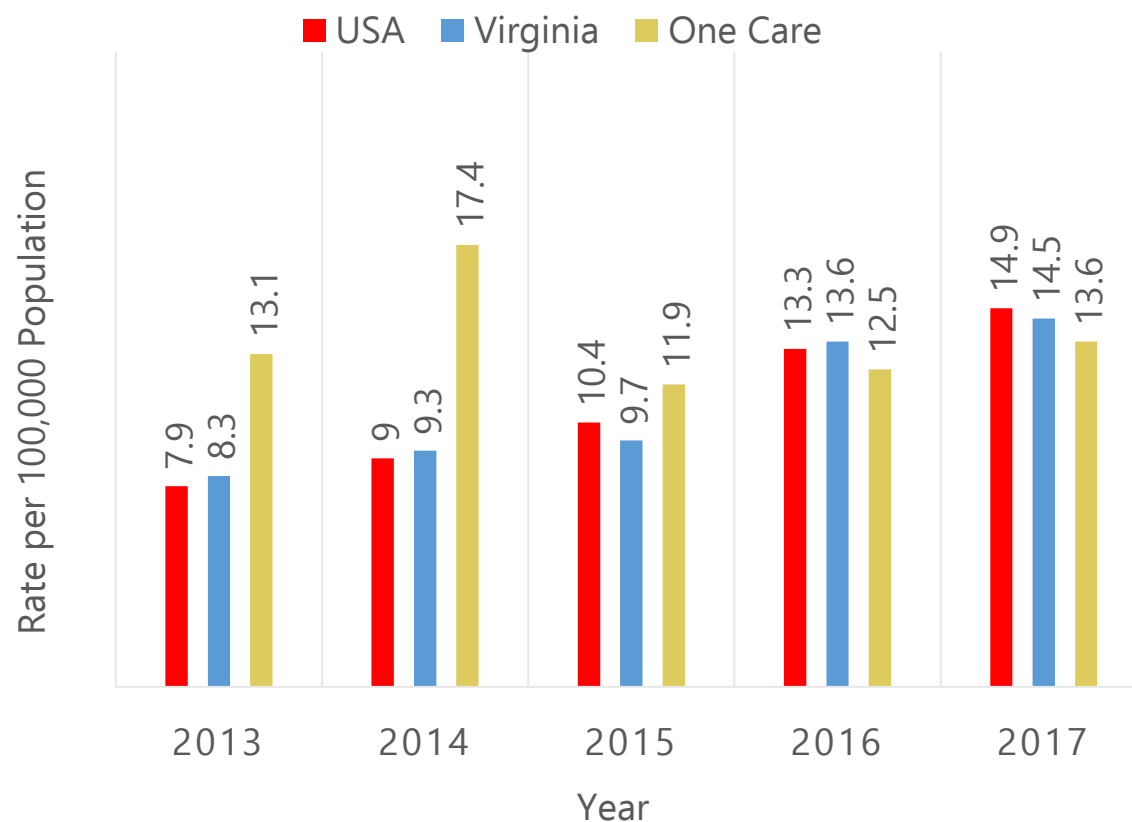
# Overdose Deaths, 2013-2017

One Care Service Area, All Drugs



# Overdose Deaths, 2013-2017

USA, Virginia, vs. One Care Service Area, All  
Opioids

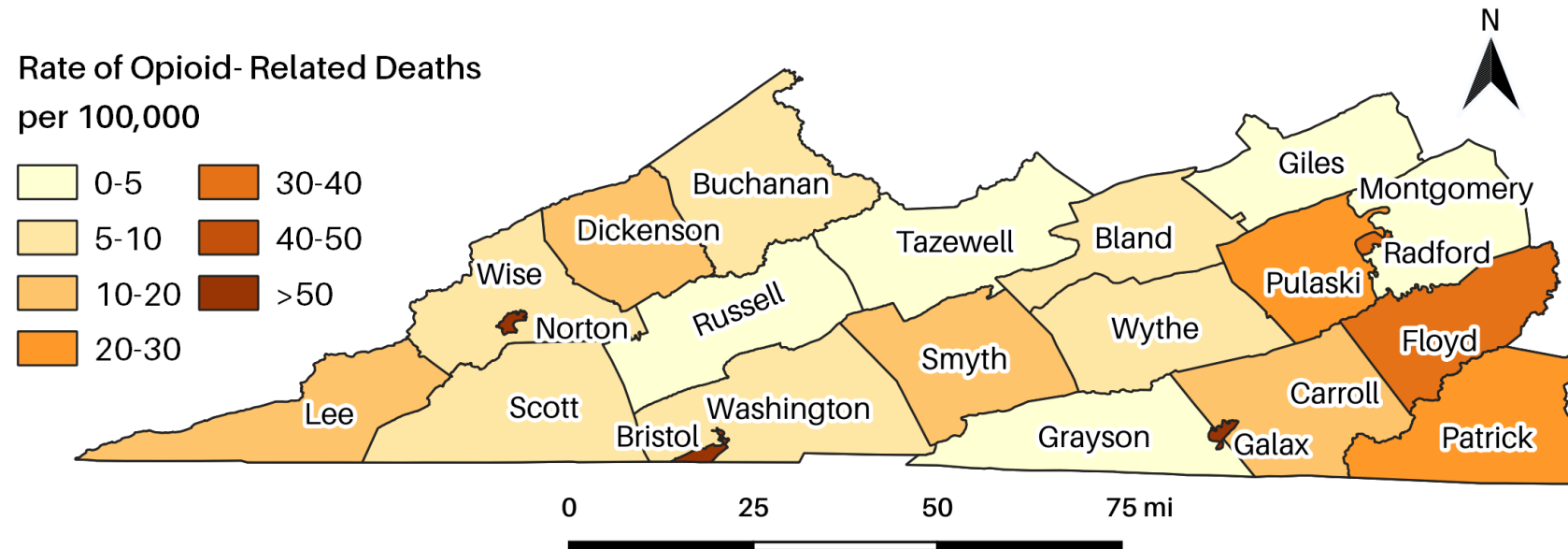


Virginia experienced an 80% increase in opioid overdose deaths from 2013 to 2017.

One Care service area experienced a 1% increase in opioid overdose deaths from 2013 to 2017.

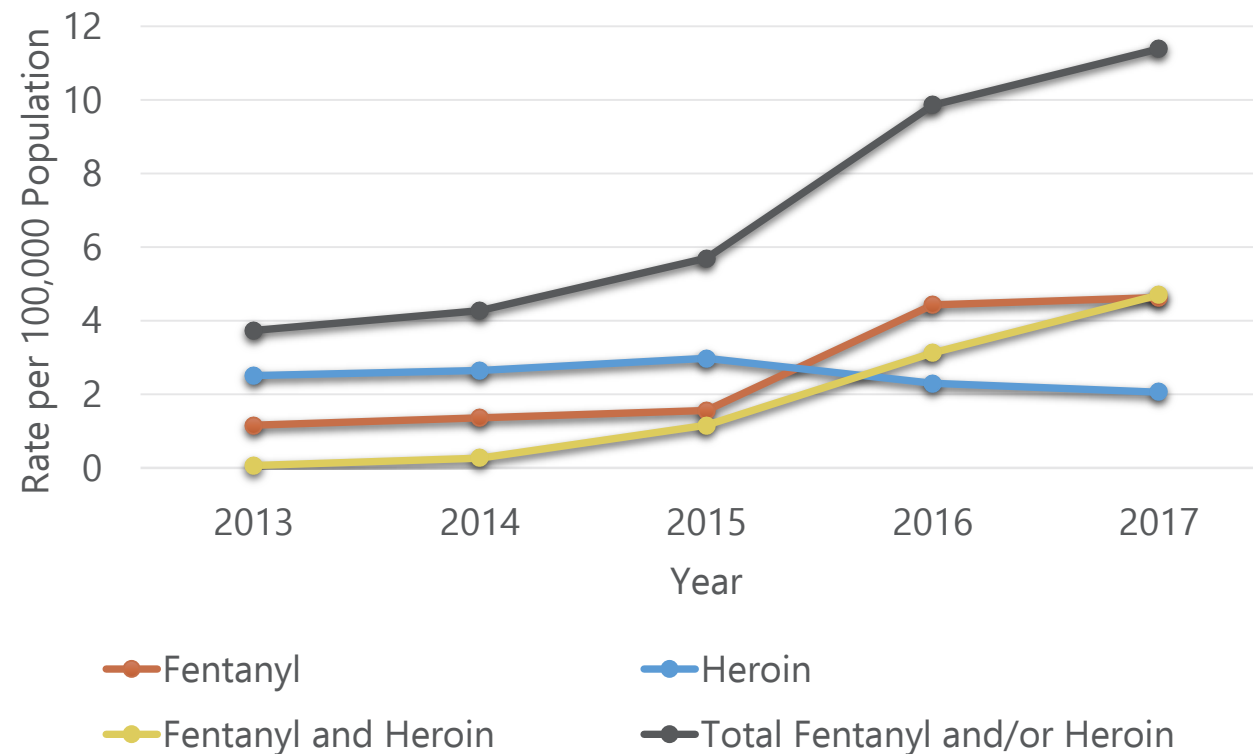
# Overdose Deaths, 2013-2017

One Care Service Area, All Opioids



# Overdose Deaths, 2013-2017

## Virginia, Fentanyl and/or Heroin



Fentanyl alone OD death rate increased 300%.

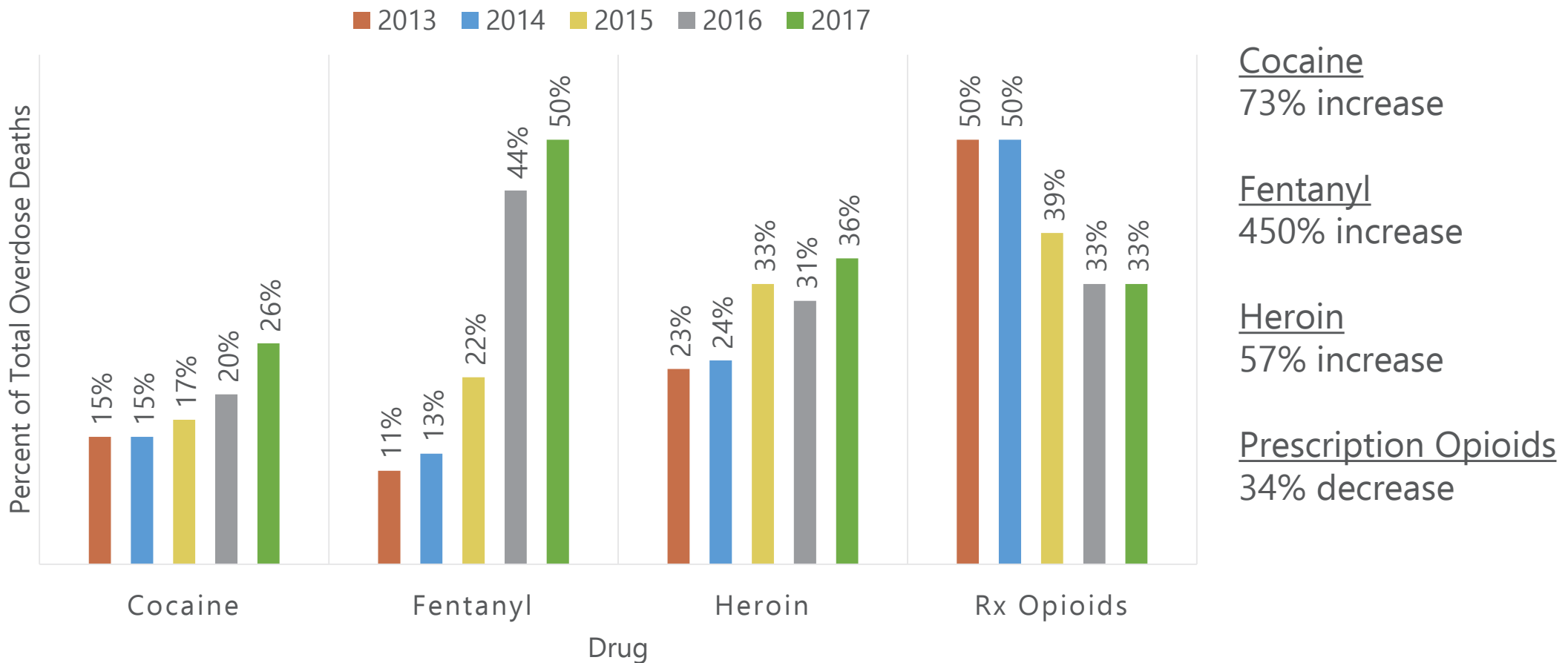
Heroin alone OD death rate fell 25%.

Fentanyl + Heroin OD death rate increased 6600%.

Total Fentanyl and/or Heroin OD death rate increased 200%.

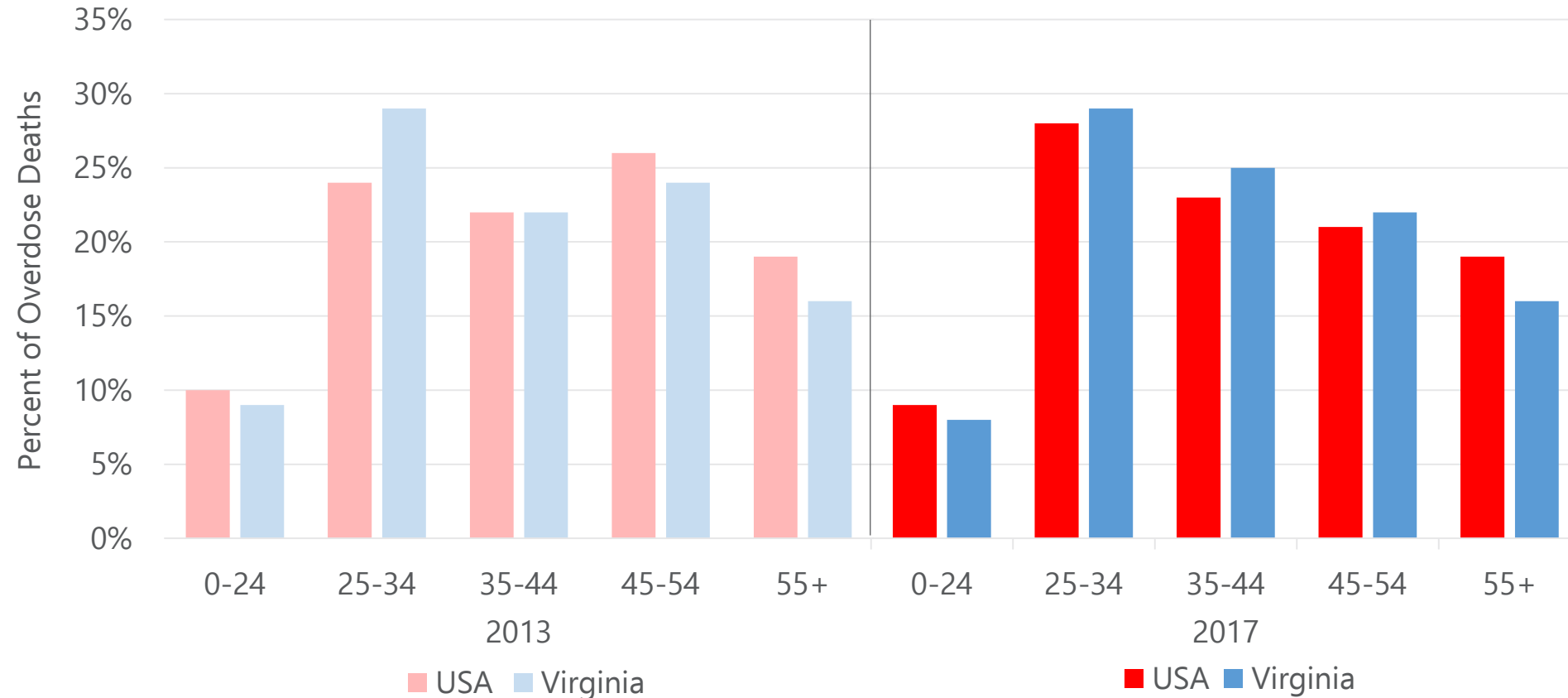
# Overdose Deaths by Drug, 2013-2017

## Virginia



# Opioid Overdose Deaths by Age, 2013-2017

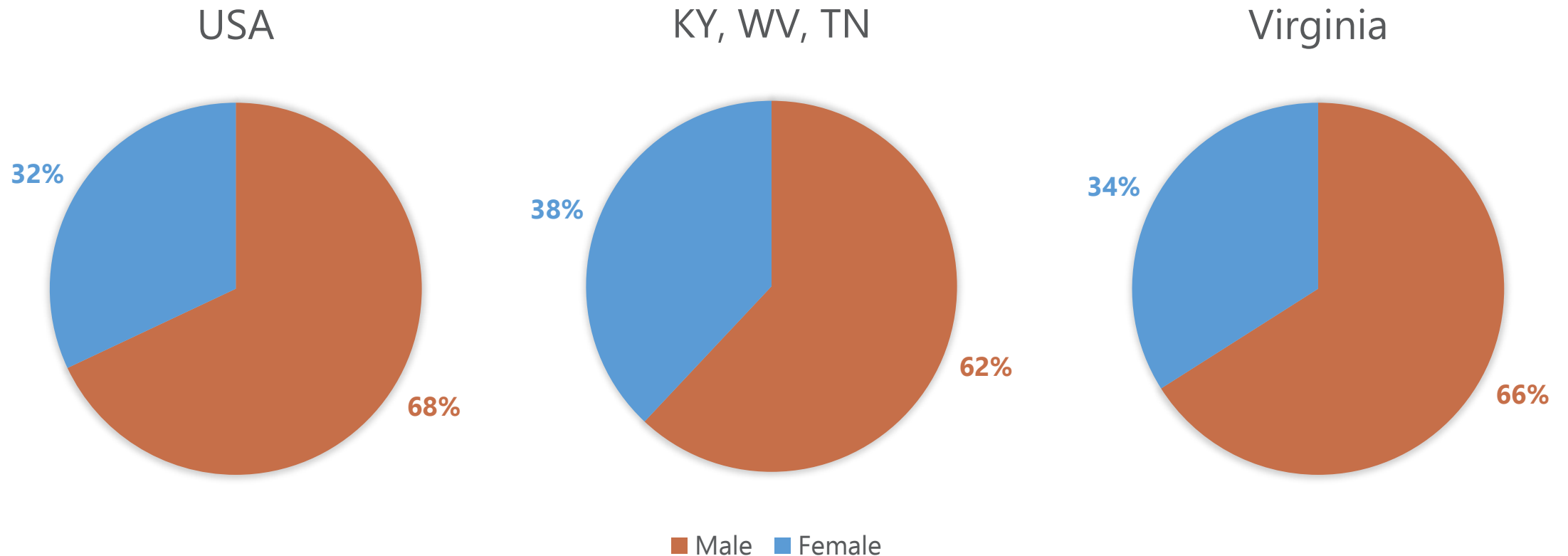
USA vs. Virginia





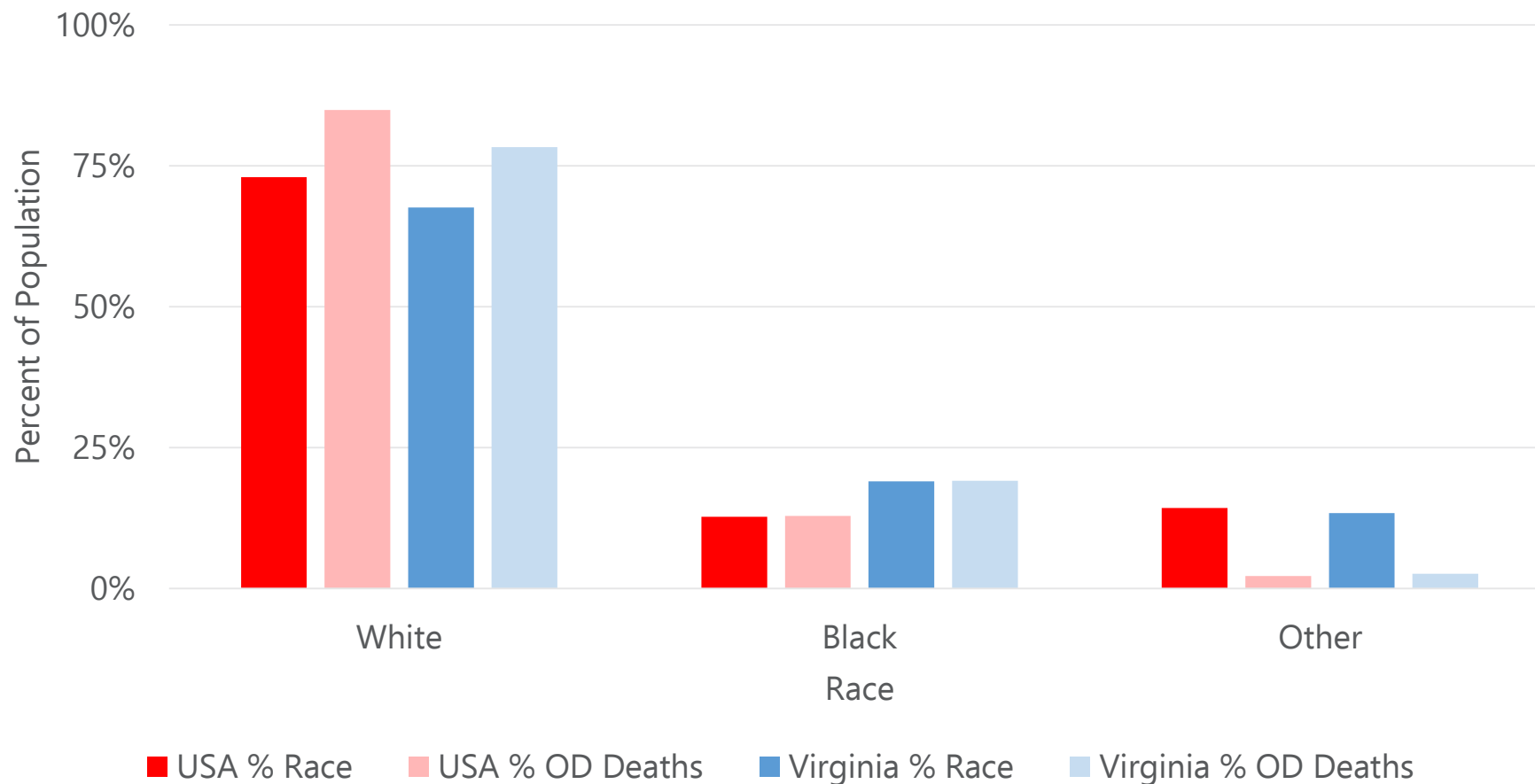
# Overdose Deaths by Gender, 2017

USA, Surrounding States, vs. Virginia (ICD 10 Codes X40-X44)



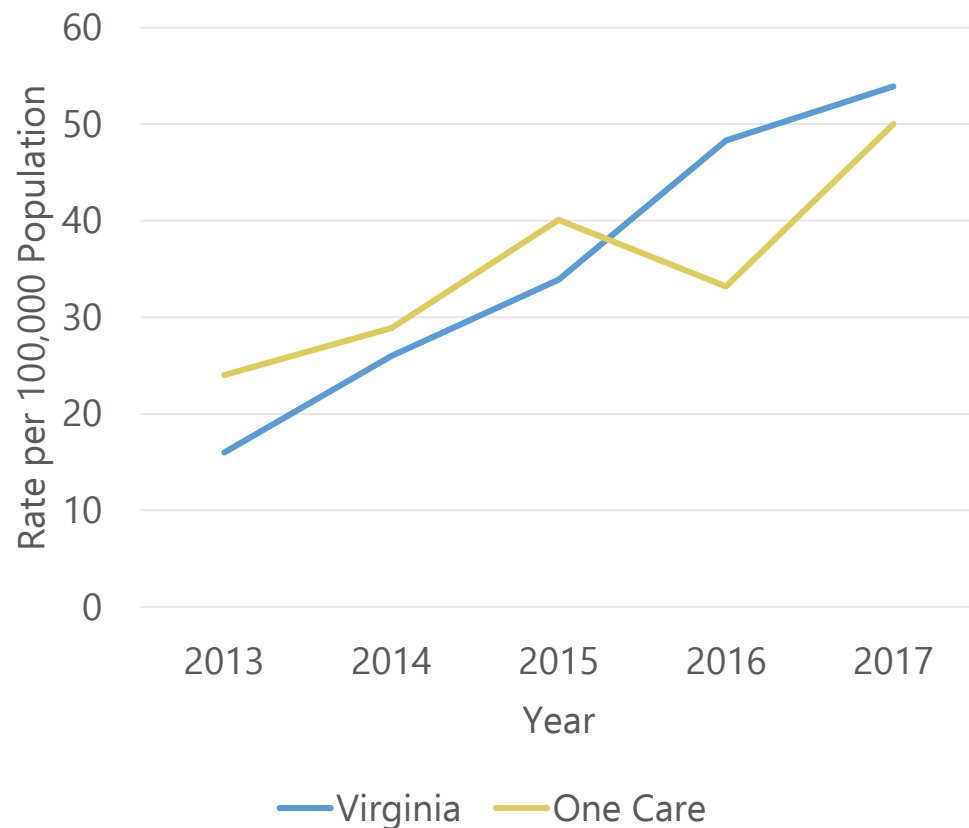
# Overdose Deaths by Race, 2017

Virginia, Percent of Population vs. Percent of Overdose Deaths



# EMS Naloxone Administered, 2013-2017

## Virginia vs. One Care Service Area Averages

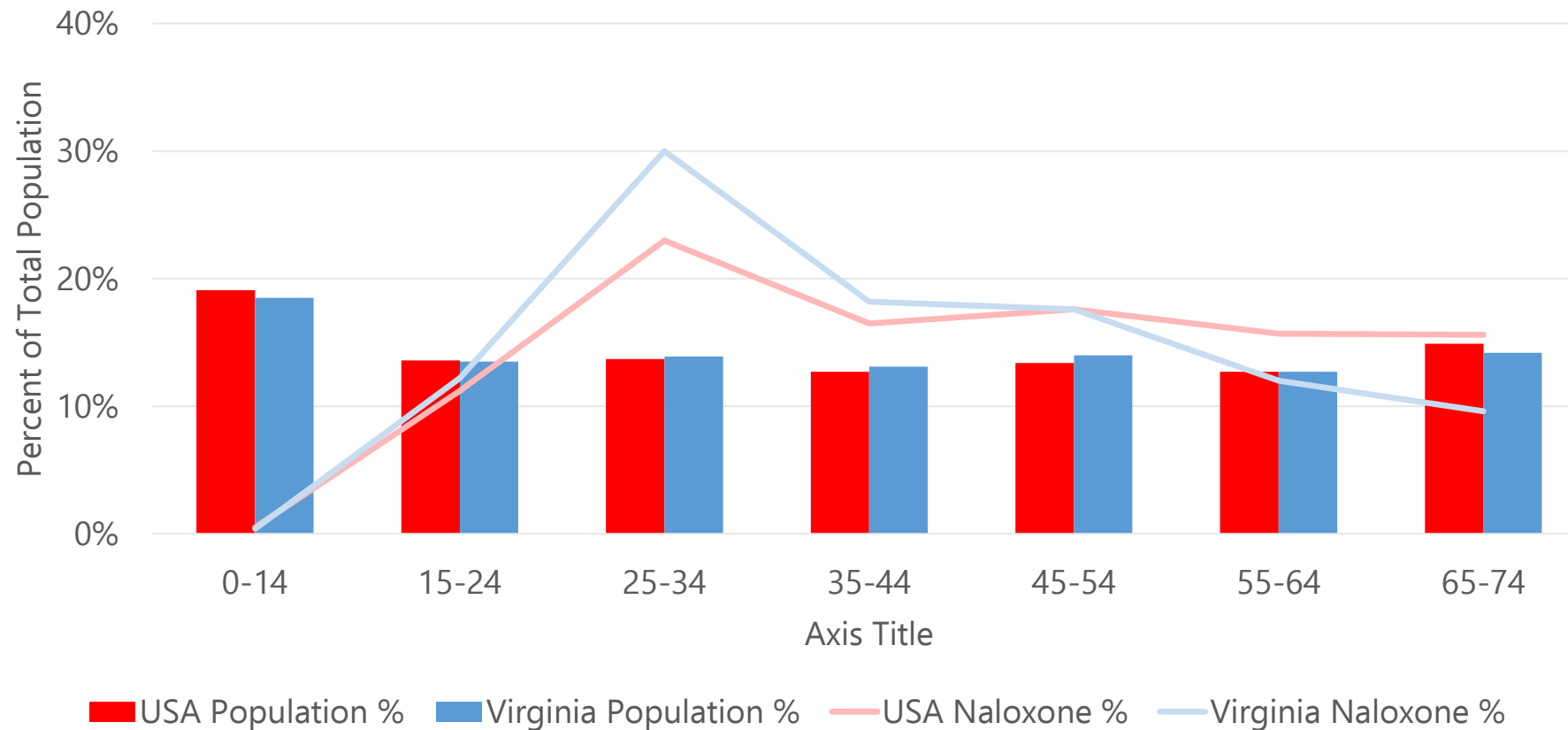


One Care regions have a 108% increase in EMS Naloxone 2013-2017

Virginia has a 227% increase in EMS Naloxone 2013-2017

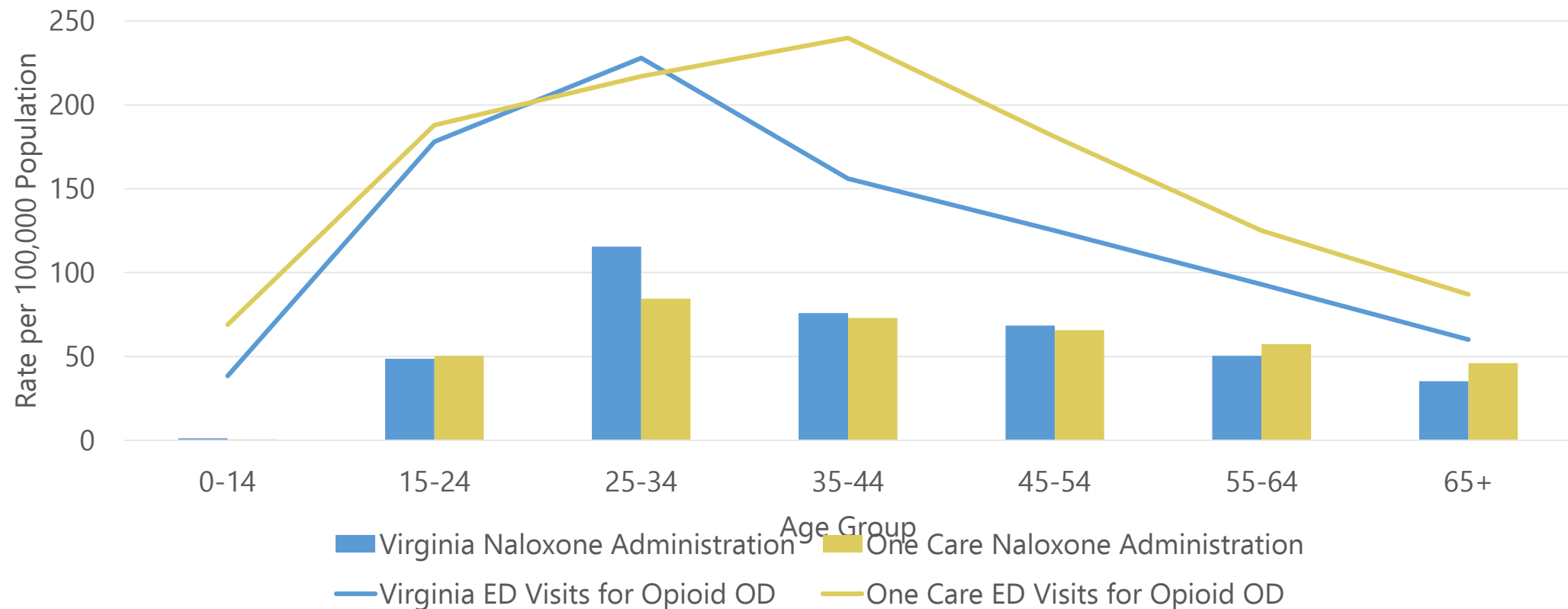
# EMS Naloxone Administered, 2017

USA vs. Virginia



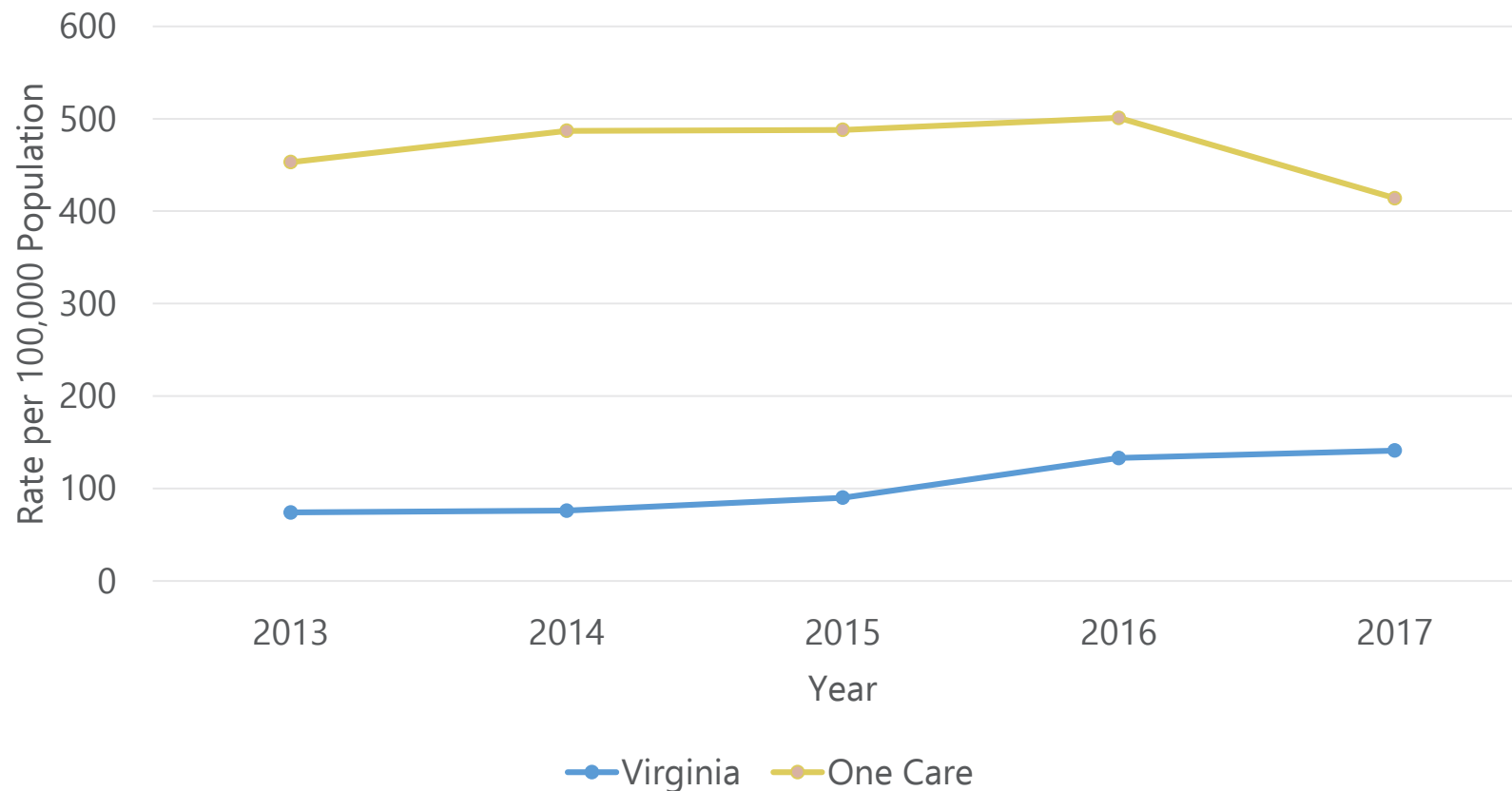
# EMS Naloxone Administered, 2013-2017

Virginia vs. One Care Service Area Averages



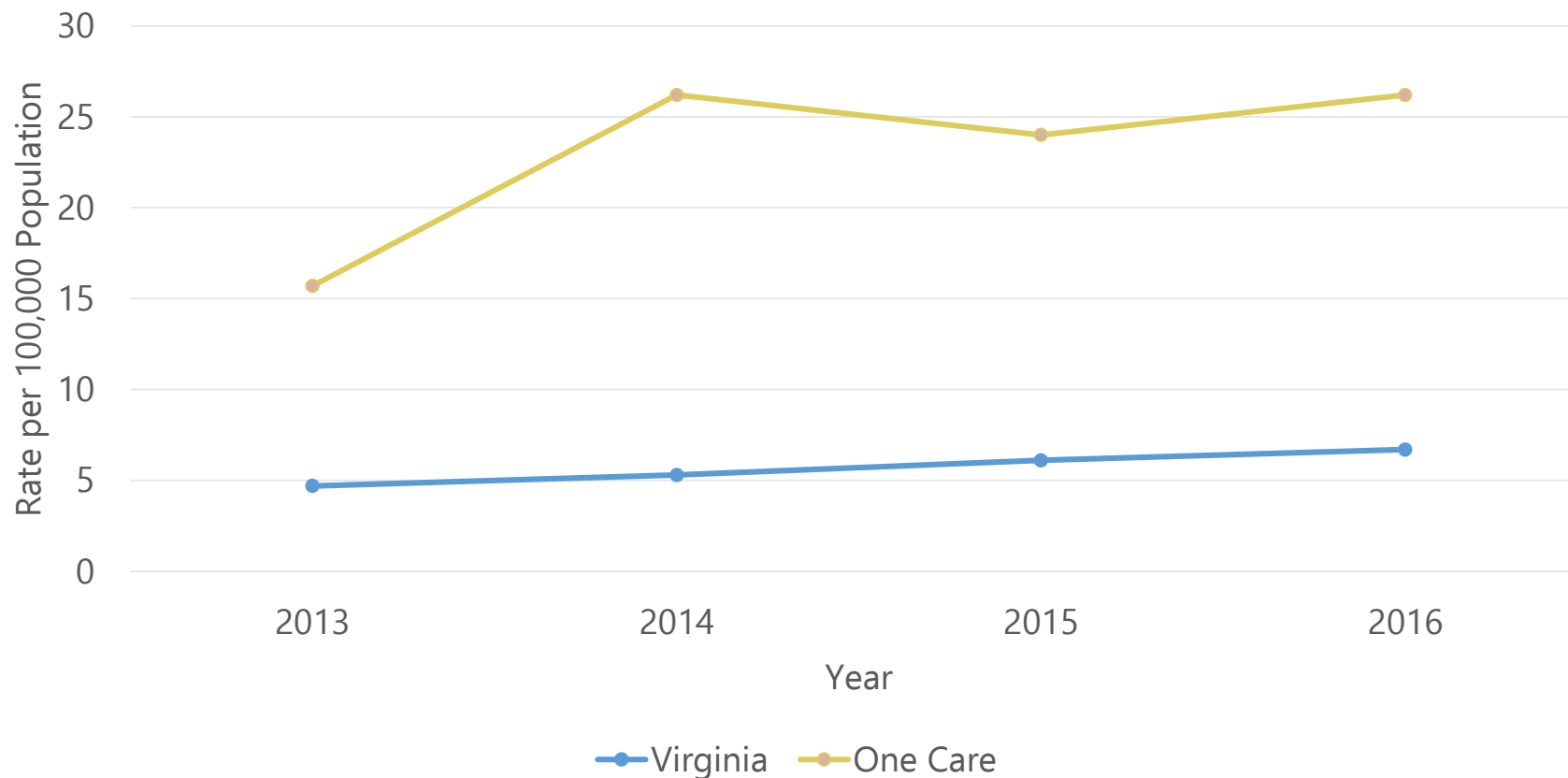
# Hepatitis C Incidence, 2013-2017

Virginia vs. One Care Service Area Averages, 18-30 Year Olds



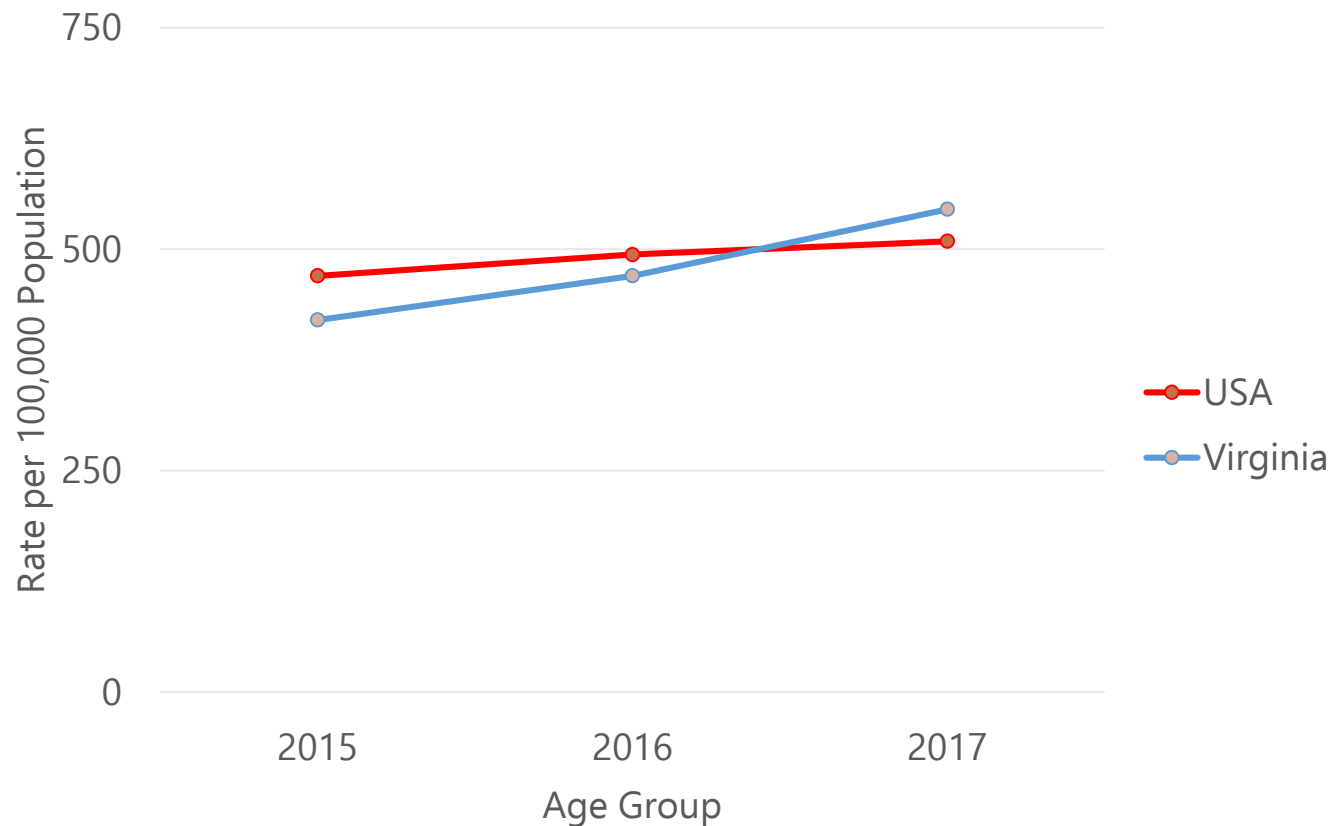
# Neonatal Abstinence Syndrome, 2013-2016

Virginia vs. One Care Service Area Averages



# Drug Arrests, 2013-2017

## USA vs. Virginia



Virginia Drug Arrests have increased 30% from 2015-2017, compared to an 8% increase for the USA.



# References

- Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2017 on CDC WONDER Online Database, released December, 2018. Data are from the Multiple Cause of Death Files, 1999-2017, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program.
- Virginia Department of Health. (n.d.). Retrieved from <http://www.vdh.virginia.gov/data/opioid-overdose/>
- Cash RE, Kinsman J, Crowe RP, Rivard MK, Faul M, Panchal AR. Naloxone Administration Frequency During Emergency Medical Service Events — United States, 2012–2016. MMWR Morb Mortal Wkly Rep 2018;67:850–853. DOI: <http://dx.doi.org/10.15585/mmwr.mm6731a2External>.
- Source: U.S. Census Bureau, Population Division  
Release Dates: For the United States, regions, divisions, states, and Puerto Rico Commonwealth, December 2017. For counties, municipios, metropolitan statistical areas, micropolitan statistical areas, metropolitan divisions, and combined statistical areas, March 2018. For cities and towns (incorporated places and minor civil divisions), May 2018.



# Rural Virginia Overdose Reduction Technical Assistance Center (TAC) ▲



FUNDING PROVIDED BY: **Health Resources & Service Administration**