



Department of  
Medicaid

John R. Kasich, Governor  
Barbara R. Sears, Director

# Ohio Department of Medicaid's Maternal and Infant Health Measures

Franklin County

Ohio Department of Medicaid  
Bureau of Health Innovation and Quality  
Fall 2018

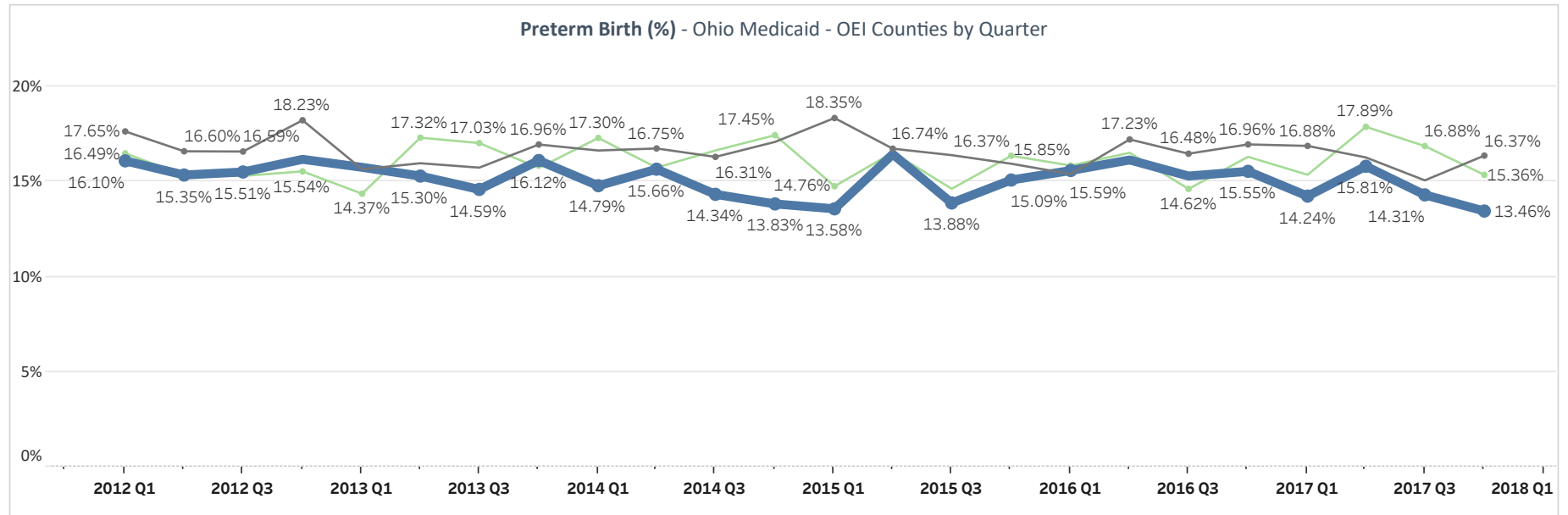
## Preterm Birth (%)

## Franklin, Cuyahoga, Hamilton Counties - Preterm Birth (%)

### Trends by Quarter | CY 2012-2017

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton

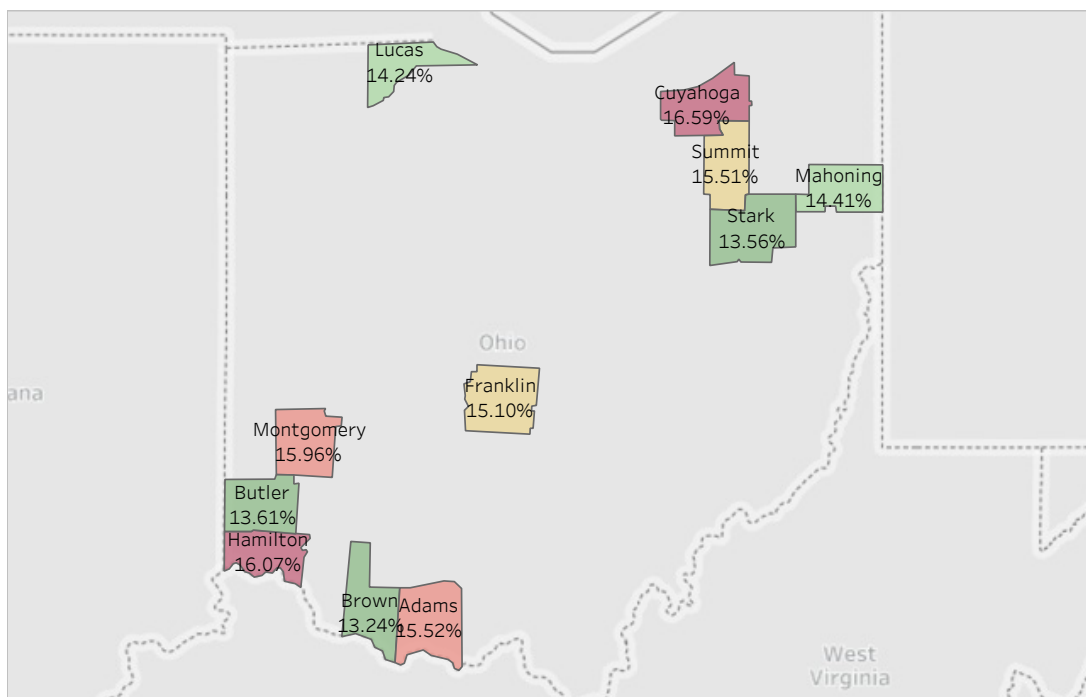


County	PTB Aggregate Rate Q1 2012 - Q4 2017	PTB Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	16.59%	16.14%	From 1372 to 1316 PTB Infants
<b>Franklin</b>	15.10%	14.43%	From 1447 to 1389 PTB Infants
Hamilton	16.07%	16.40%	From 912 to 866 PTB Infants

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - Preterm Birth (%)

### OEI County Quintiles | CY 2012-2017



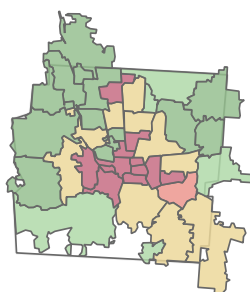
#### Map Measure Ranges

- $\geq 0 < 13.622\%$
- $\geq 13.622\% < 14.419\%$
- $\geq 14.419\% < 15.516\%$
- $\geq 15.516\% < 16.055\%$
- $\geq 16.055\%$

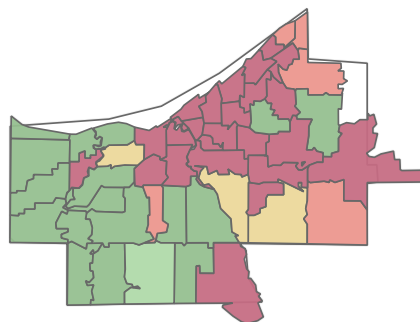
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Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

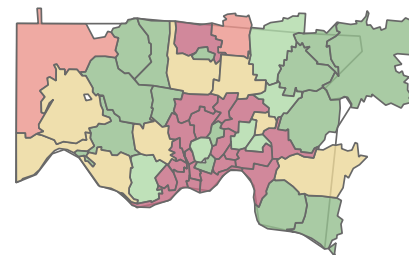
Franklin



Cuyahoga

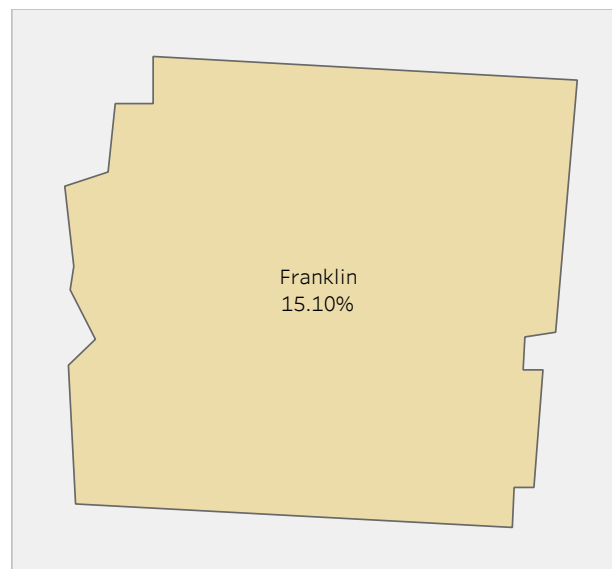
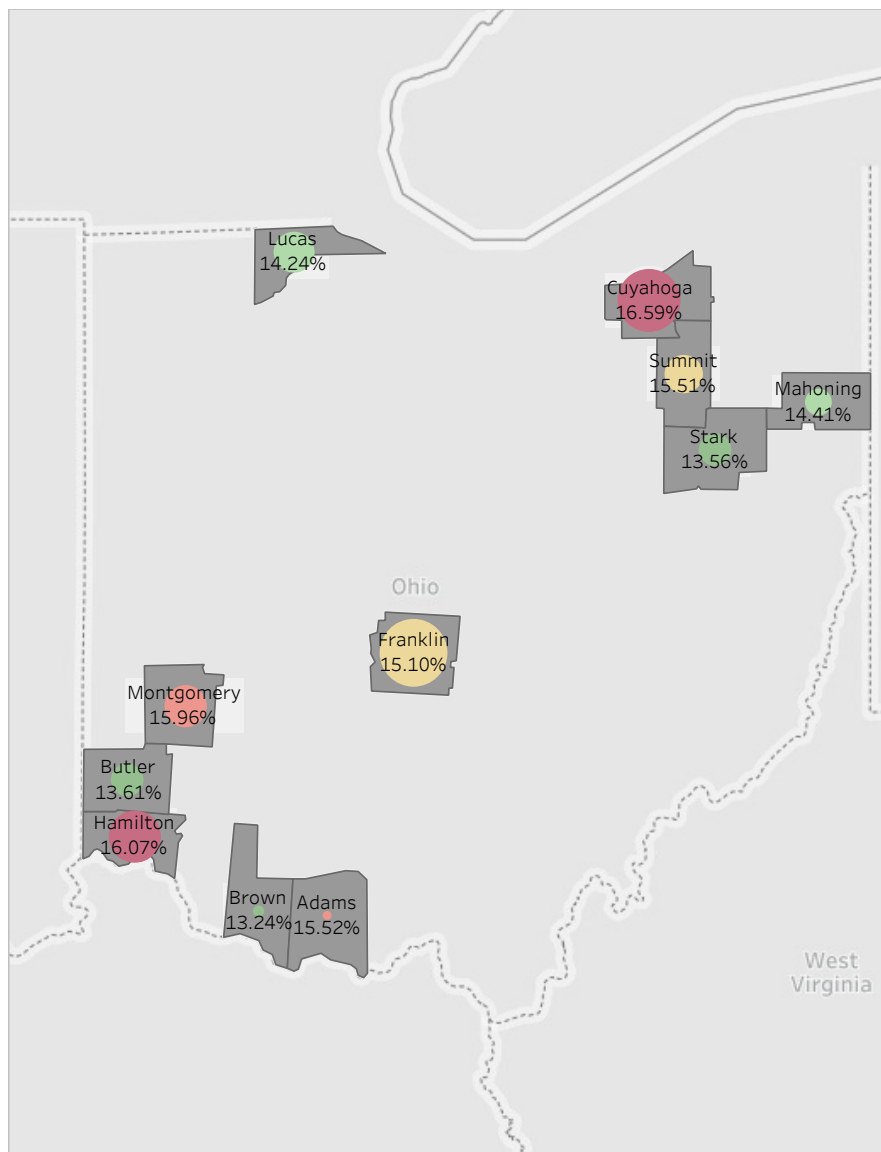


Hamilton



## Franklin County - Preterm Birth (%)

### OEI Quintiles | CY 2012-2017

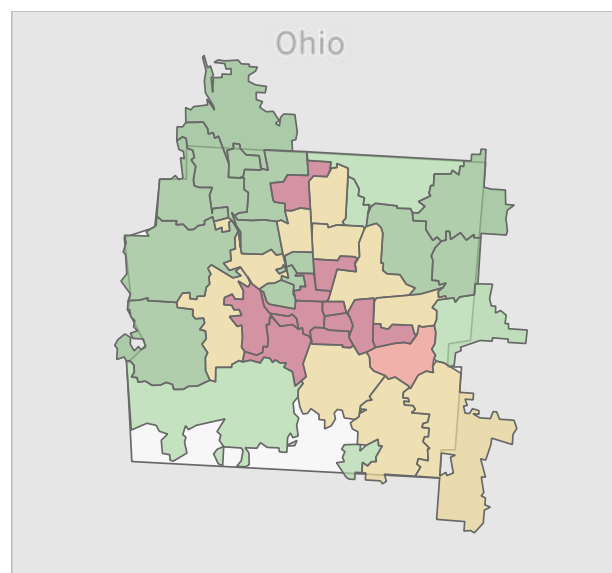


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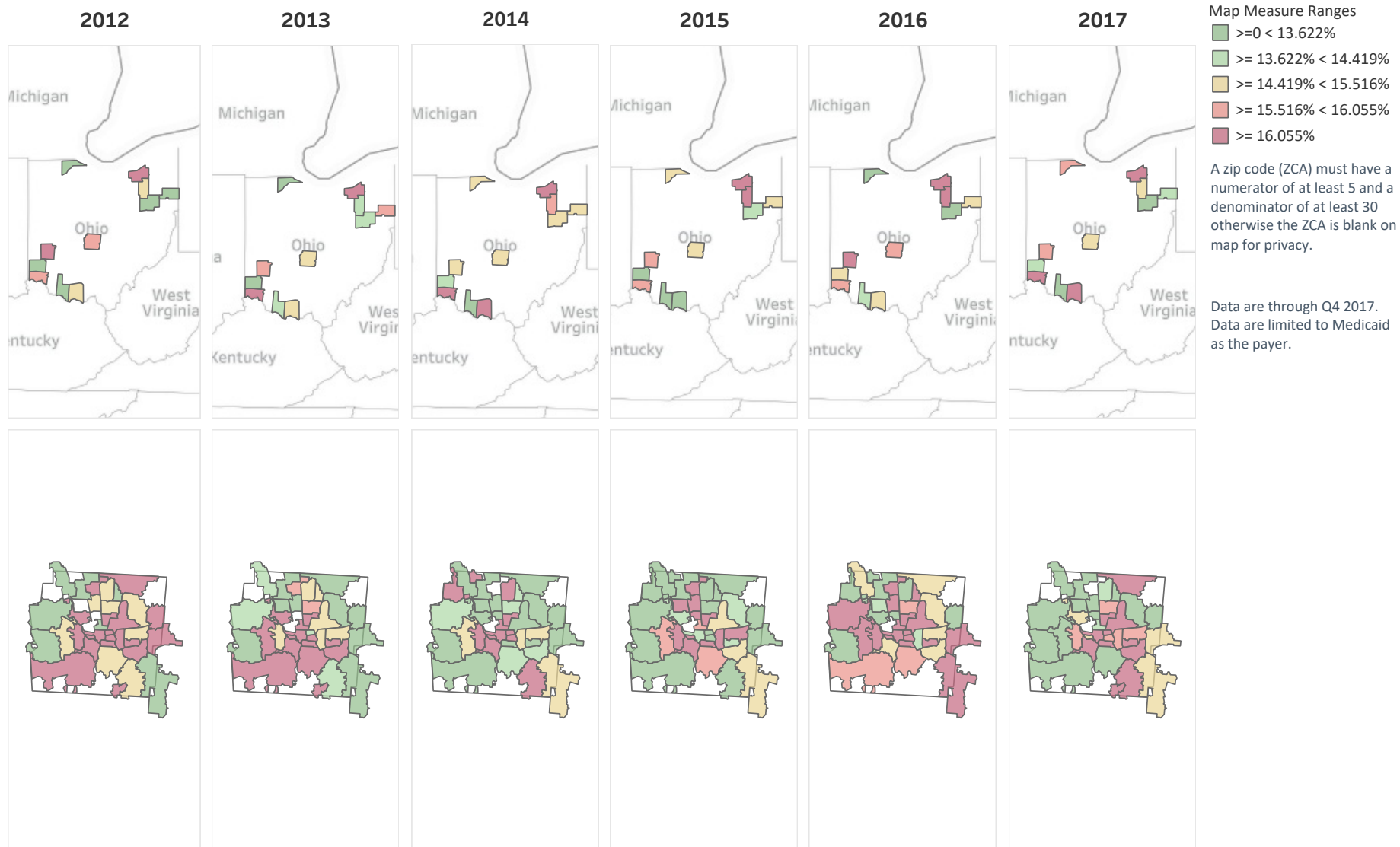
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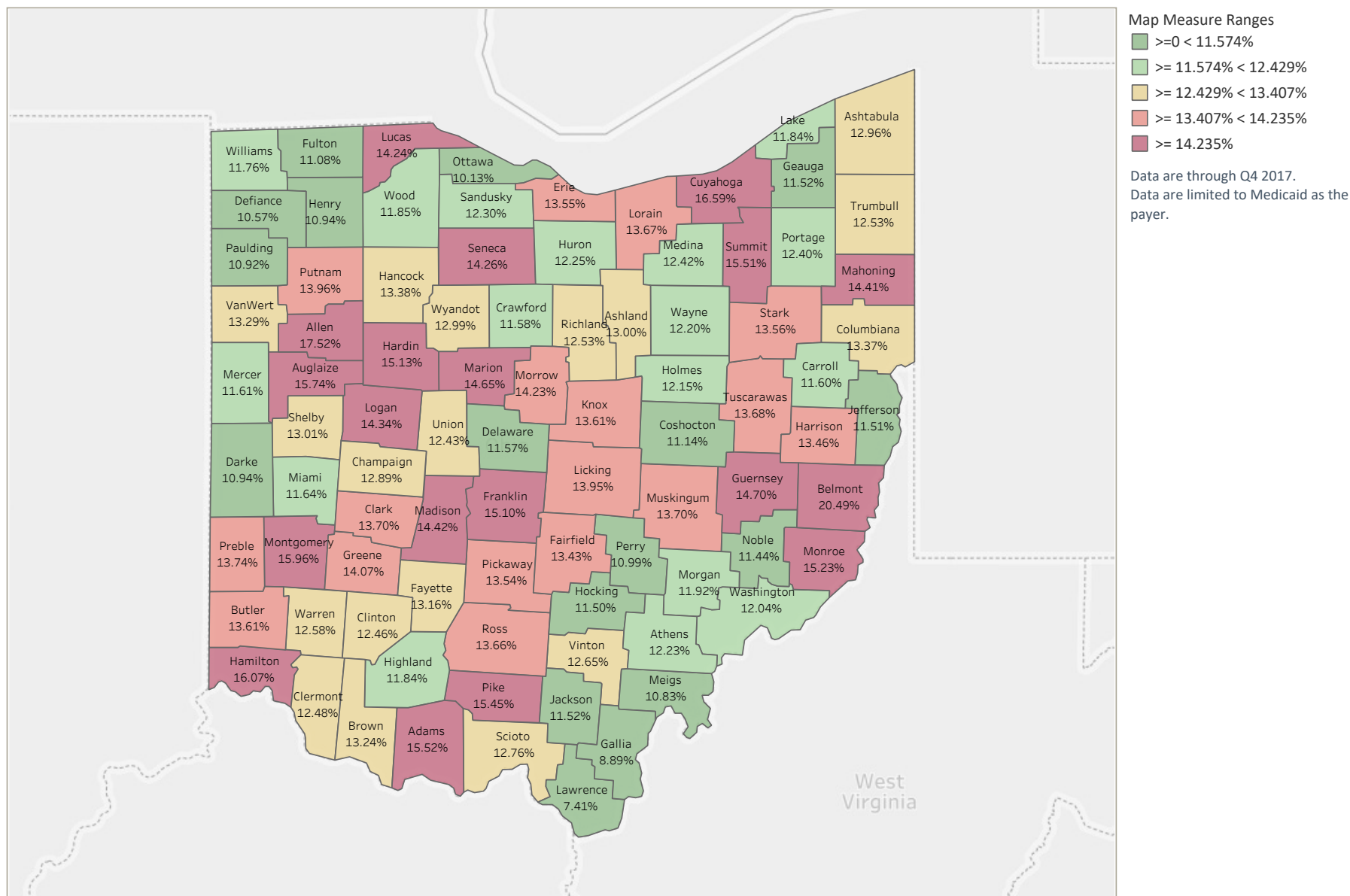
## Franklin County - Preterm Birth (%)

### OEI Quintiles | CY 2012-2017 Yearly Comparison



## Statewide - Preterm Birth (%)

### Overall Quintiles by County | CY 2012 - 2017



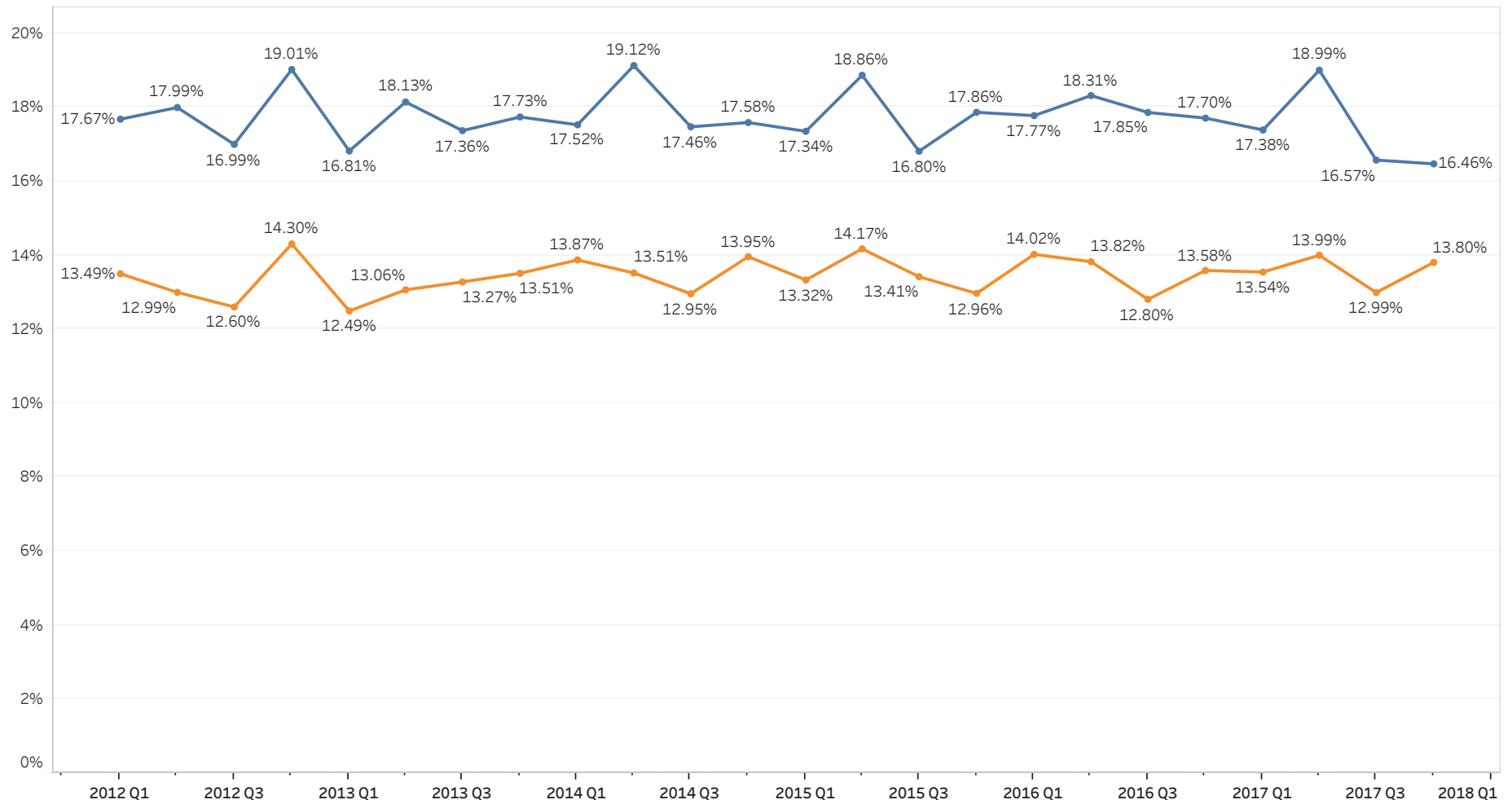


### Quarterly Trends by Race - Preterm Birth (%) All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.





### Yearly Trends by MCP - Preterm Birth (%) All OEI Counties | CY 2012-2017

Medicaid Plan  
All Plans

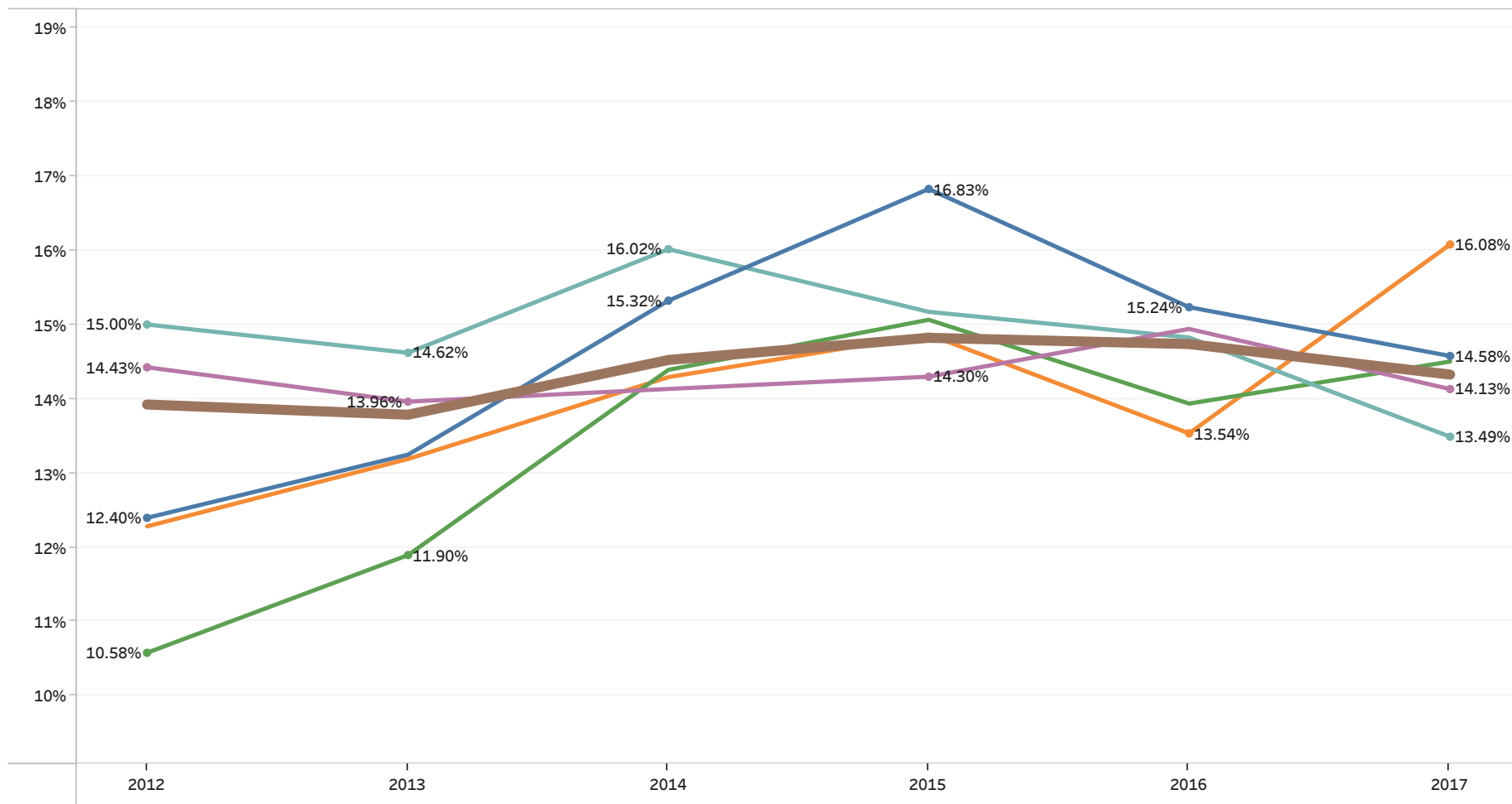
Buckeye

CareSource

Molina

Paramount

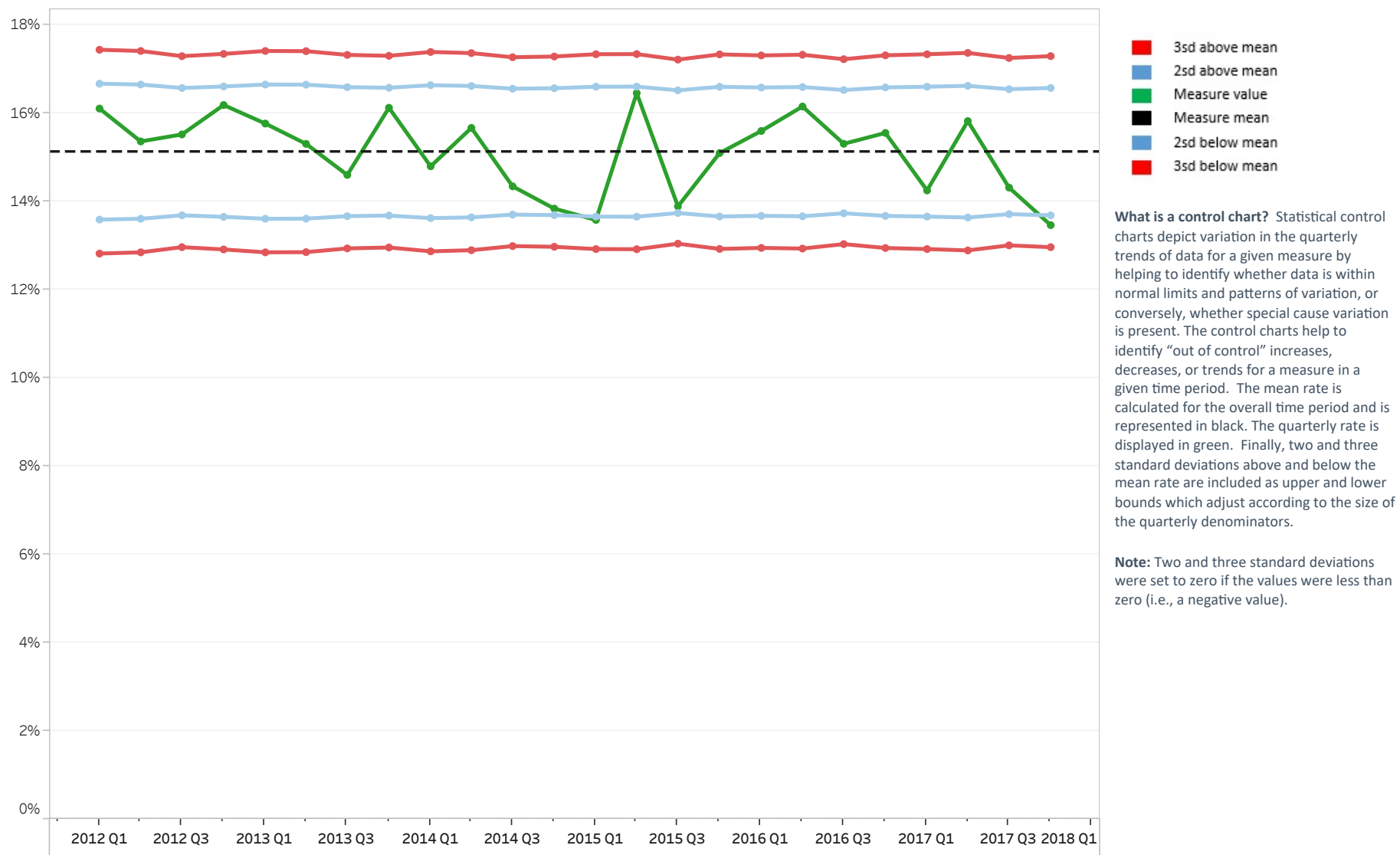
United



Data are through Q4 2017.

Data are limited to Medicaid as the payer.

## Franklin County Quarterly Control Chart - Preterm Birth (%) CY 2012-2017



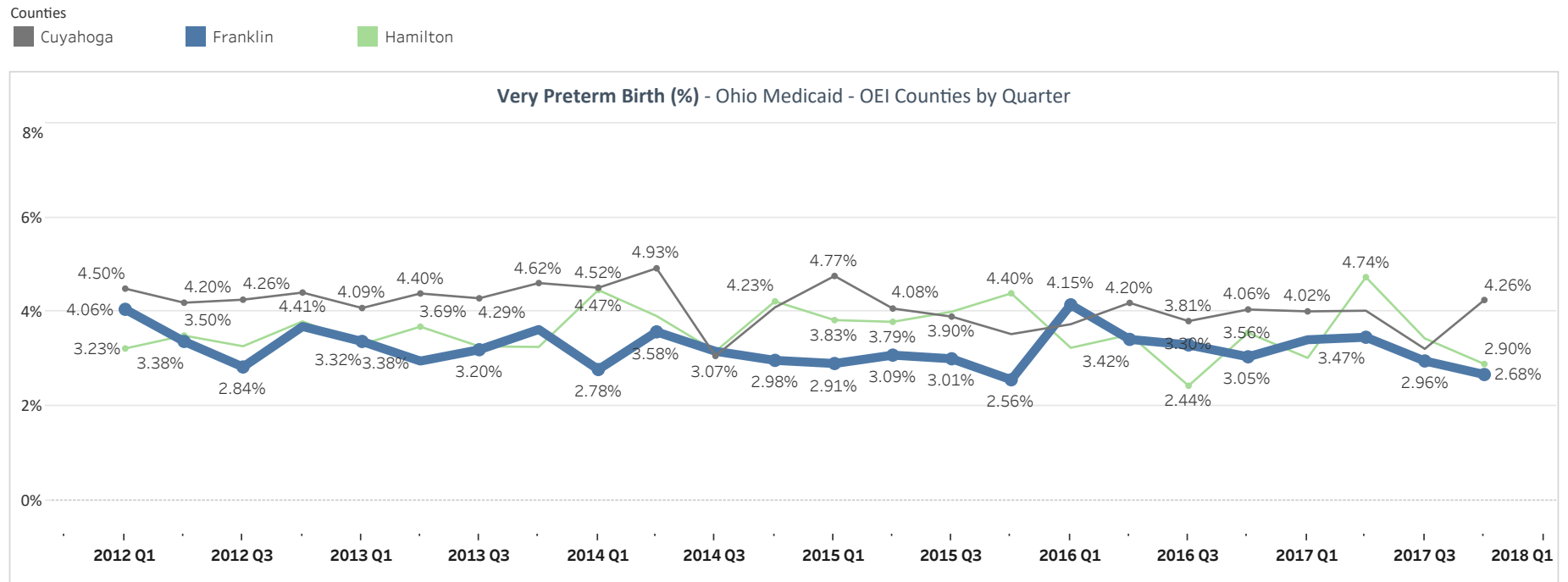
Data are limited to Medicaid as the payer.



## Very Preterm Birth (%)

## Franklin, Cuyahoga, Hamilton Counties - Very Preterm Birth (%)

### Trends by Quarter | CY 2012-2017

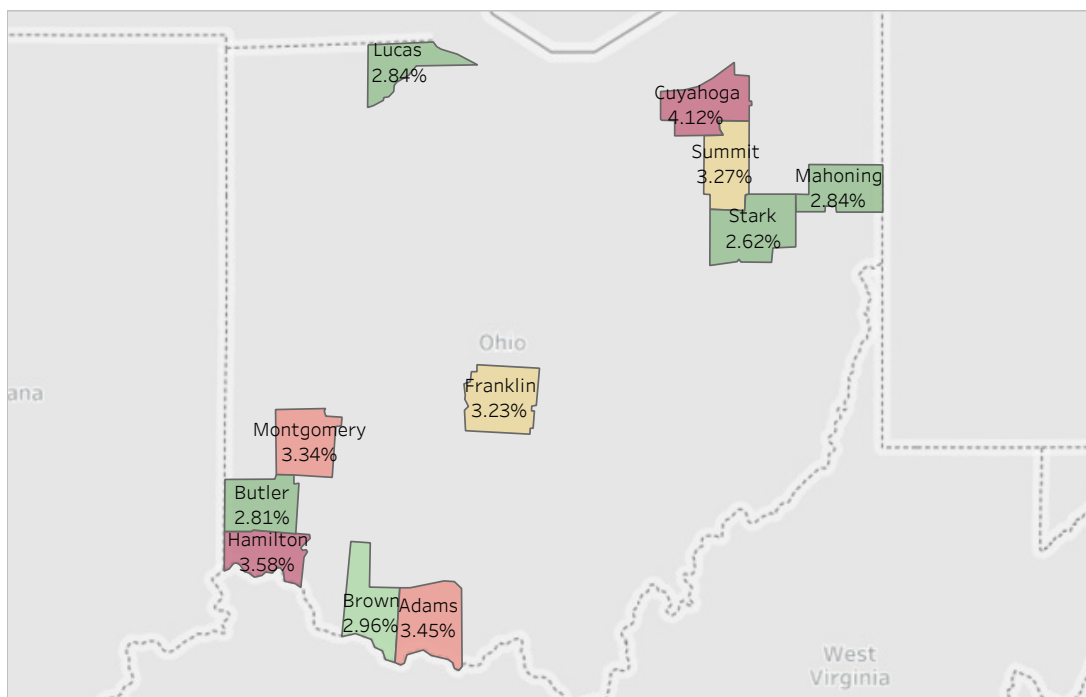


County	VPTB Aggregate Rate Q1 2012 - Q4 2017	VPTB Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	4.12%	3.87%	From 341 to 311 VPTB Infants
<b>Franklin</b>	3.23%	3.12%	From 310 to 281 VPTB Infants
Hamilton	3.58%	3.53%	From 203 to 180 VPTB Infants

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - Very Preterm Birth (%)

### OEI County Quintiles | CY 2012-2017



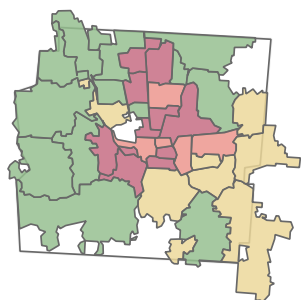
#### Map Measure Ranges

- $\geq 0 < 2.839\%$
- $\geq 2.839\% < 2.966\%$
- $\geq 2.966\% < 3.333\%$
- $\geq 3.333\% < 3.573\%$
- $\geq 3.573\%$

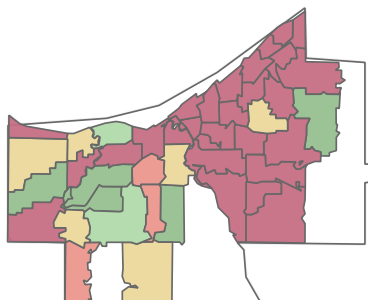
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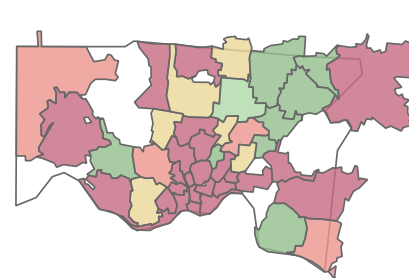
Franklin



Cuyahoga

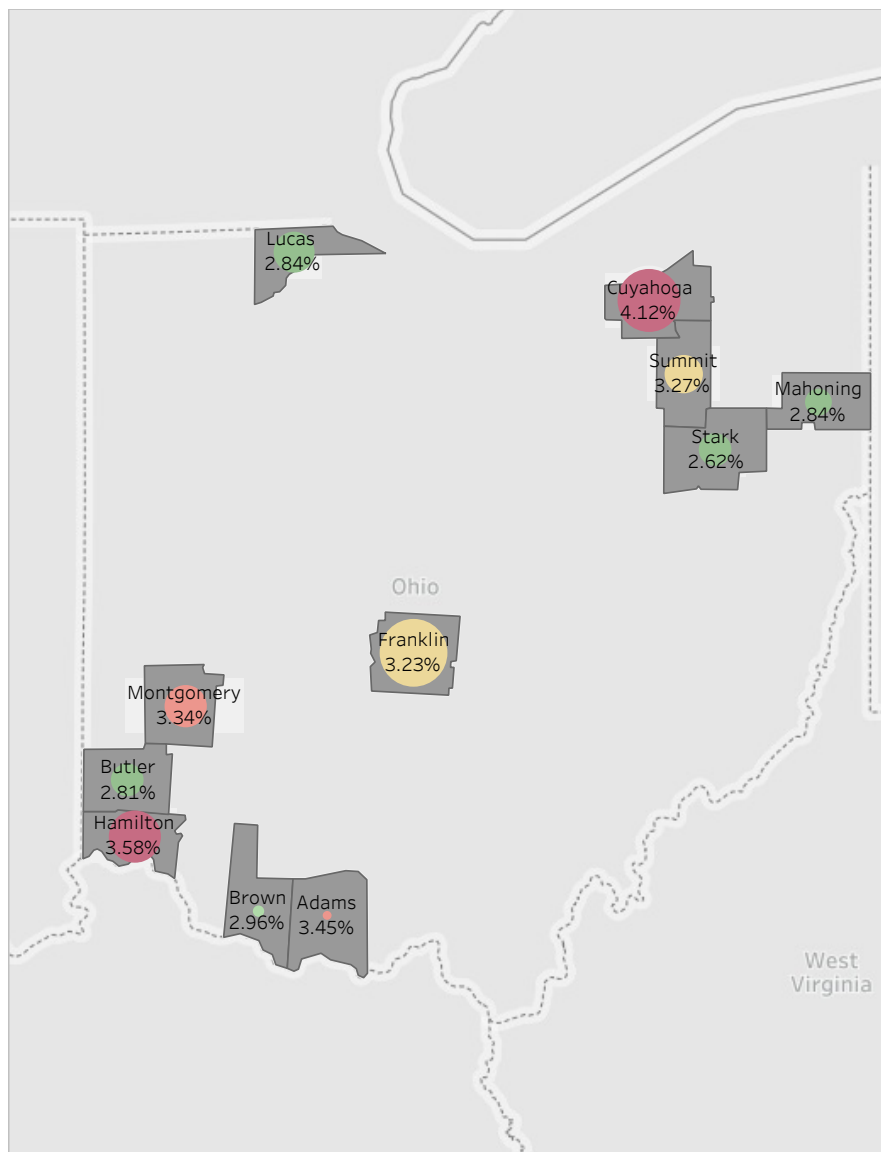


Hamilton



## Franklin County - Very Preterm Birth (%)

### OEI Quintiles | CY 2012-2017

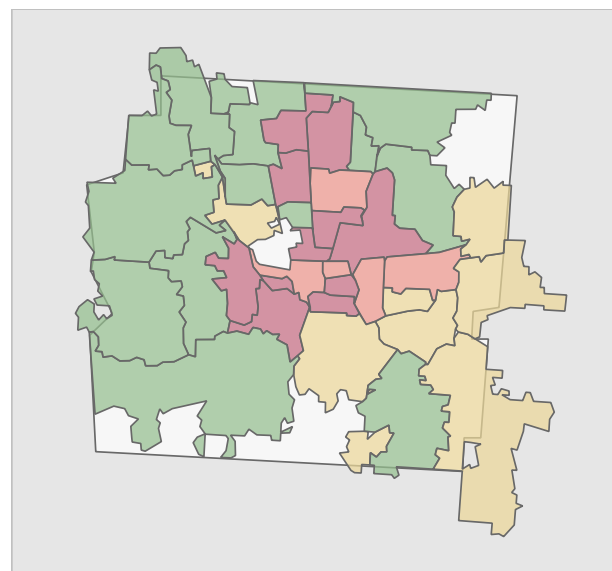


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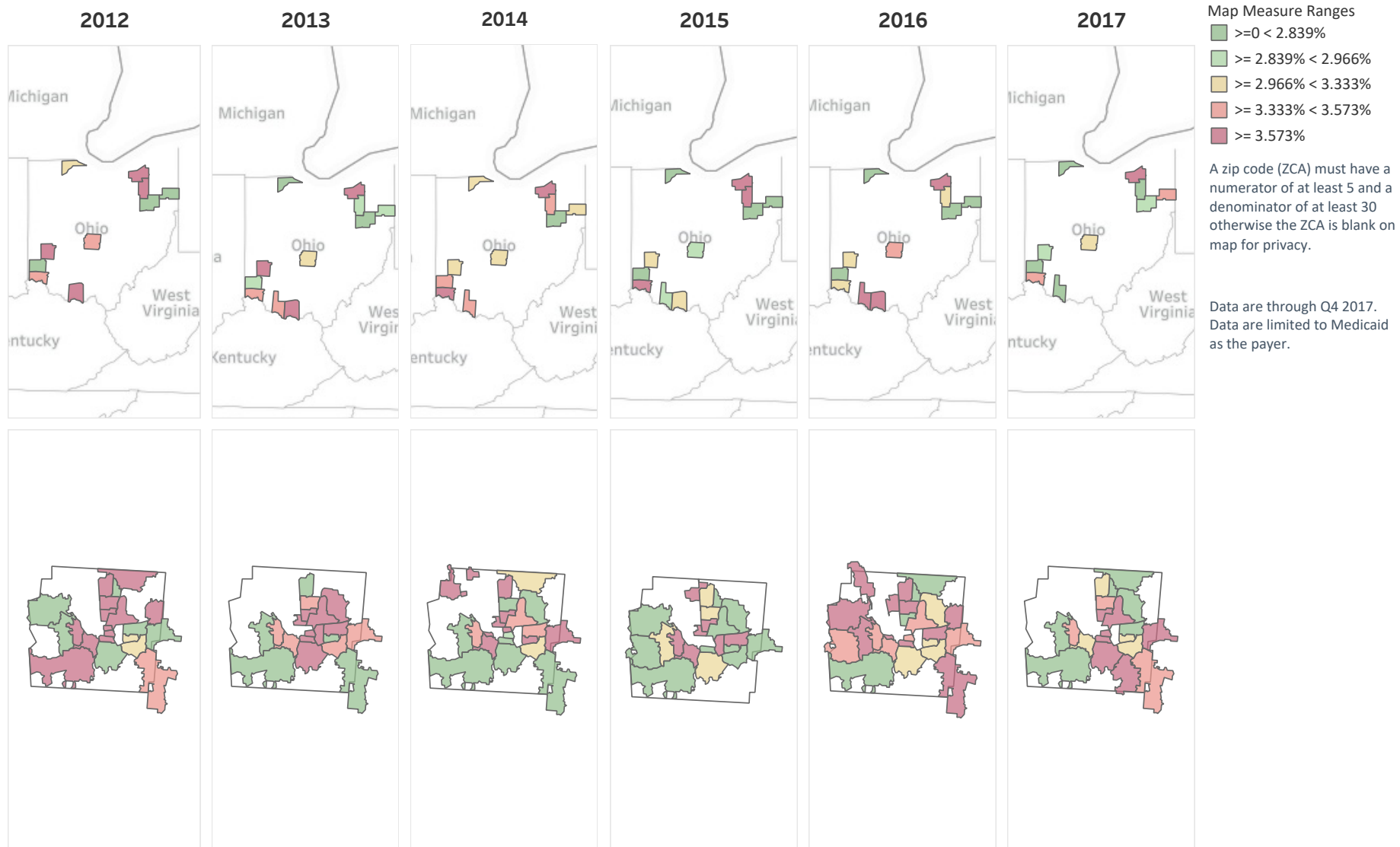
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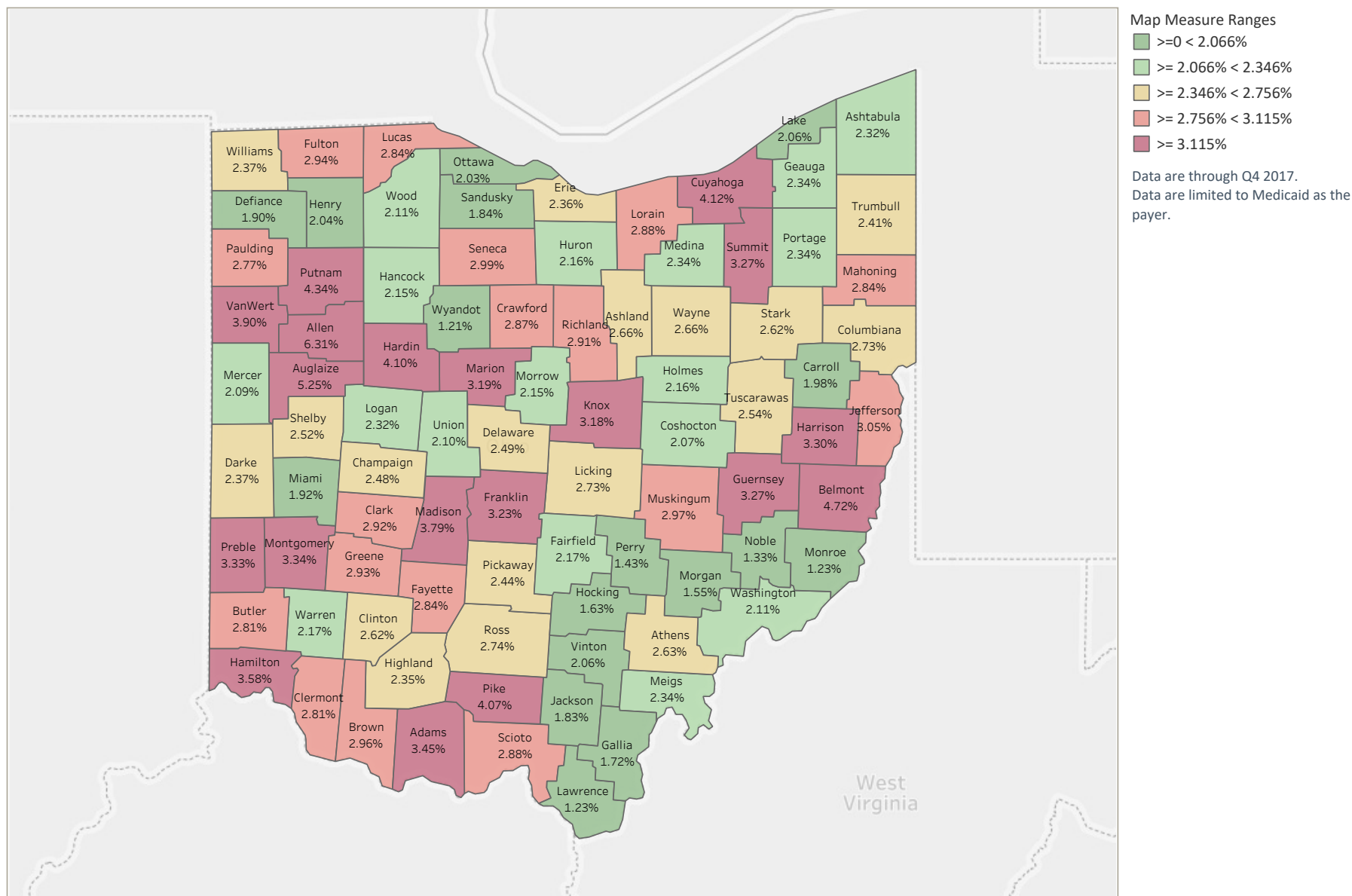
## Franklin County - Very Preterm Birth (%)

### OEI Quintiles | CY 2012-2017 Yearly Comparison



## Statewide - Very Preterm Birth (%)

### Overall Quintiles by County | CY 2012 - 2017







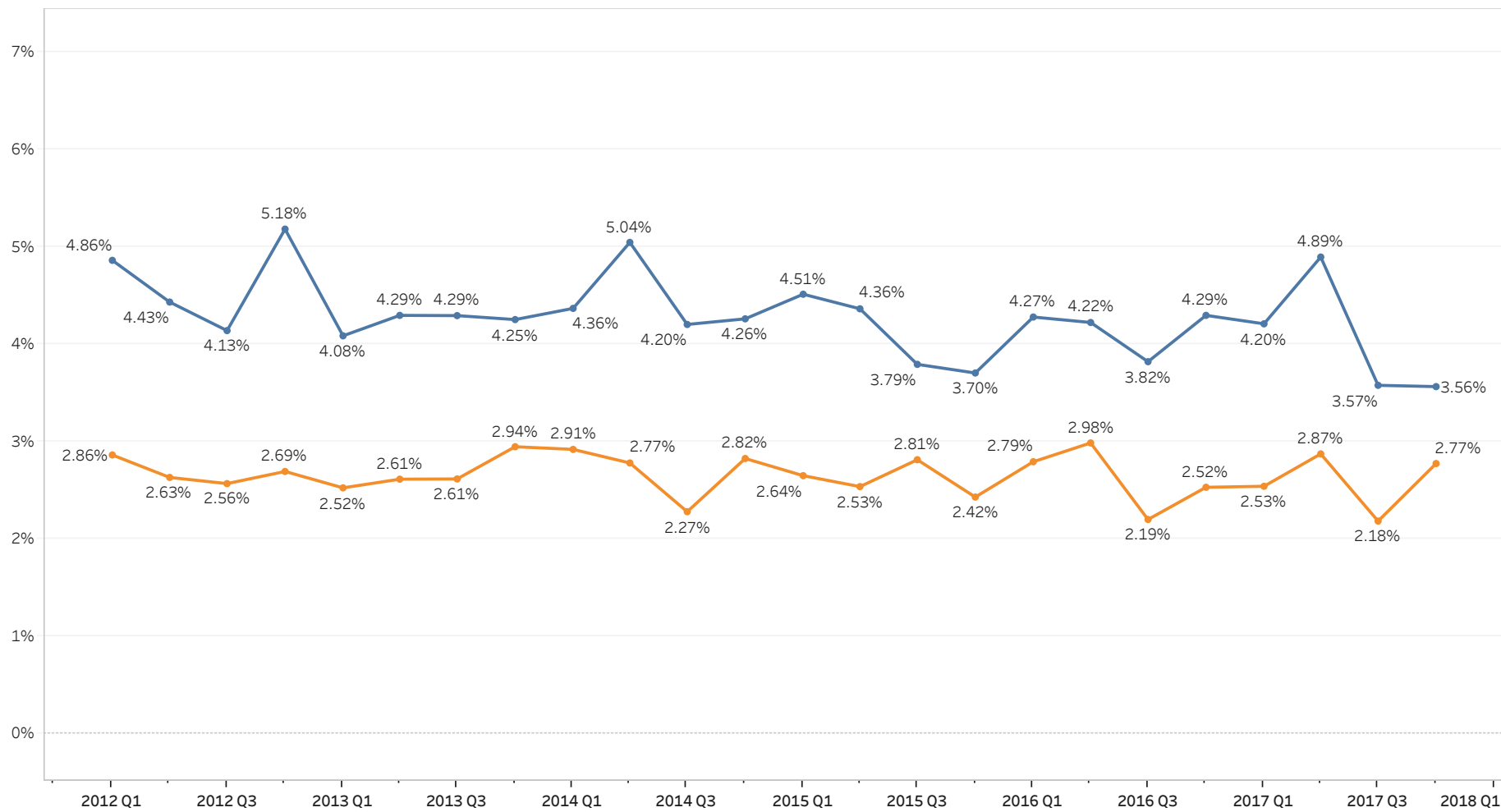
### Quarterly Trends by Race - Very Preterm Birth (%)

All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Very Preterm Birth (%) All OEI Counties | CY 2012-2017

Medicaid Plan

All Plans

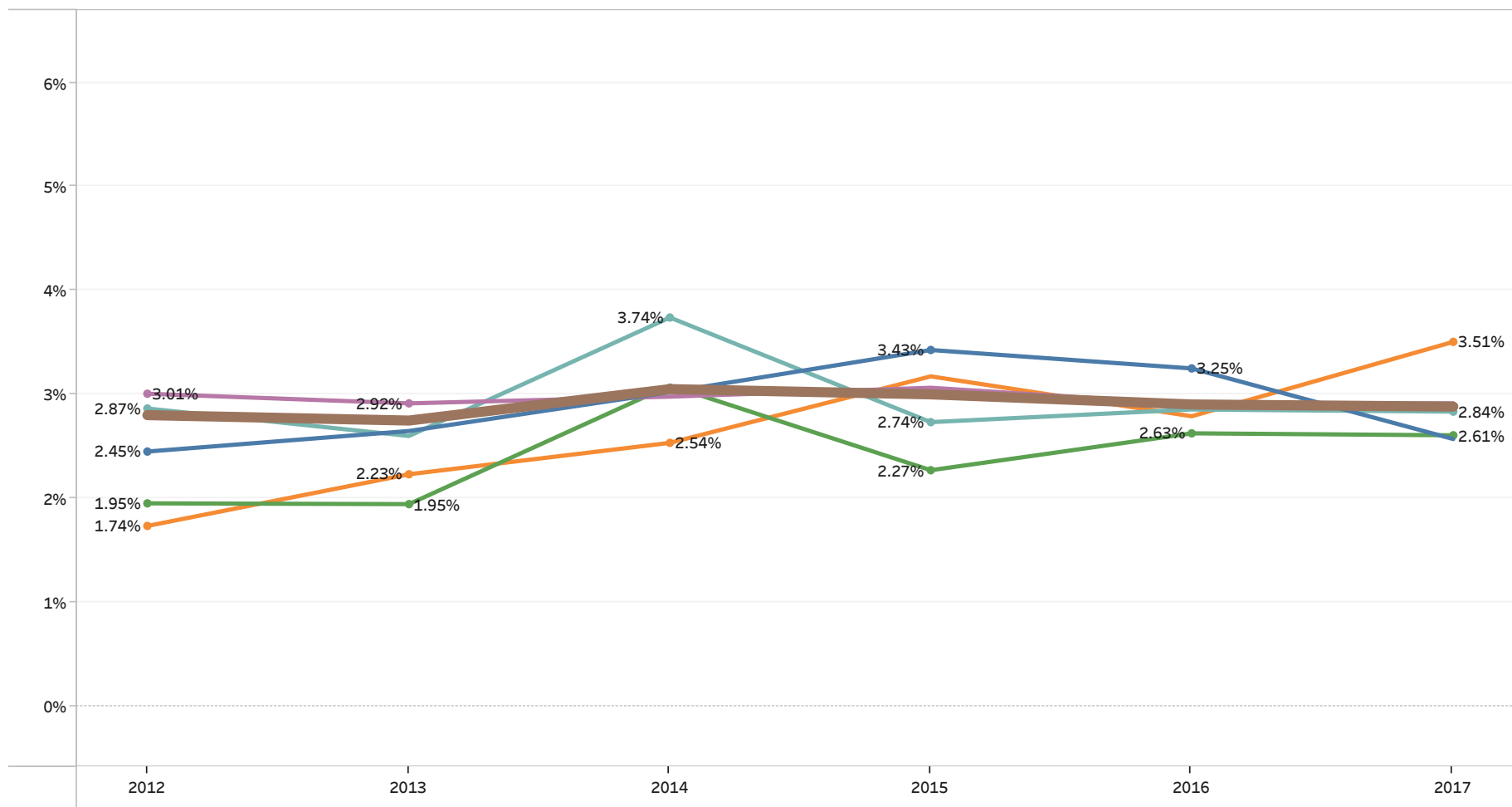
Buckeye

CareSource

Molina

Paramount

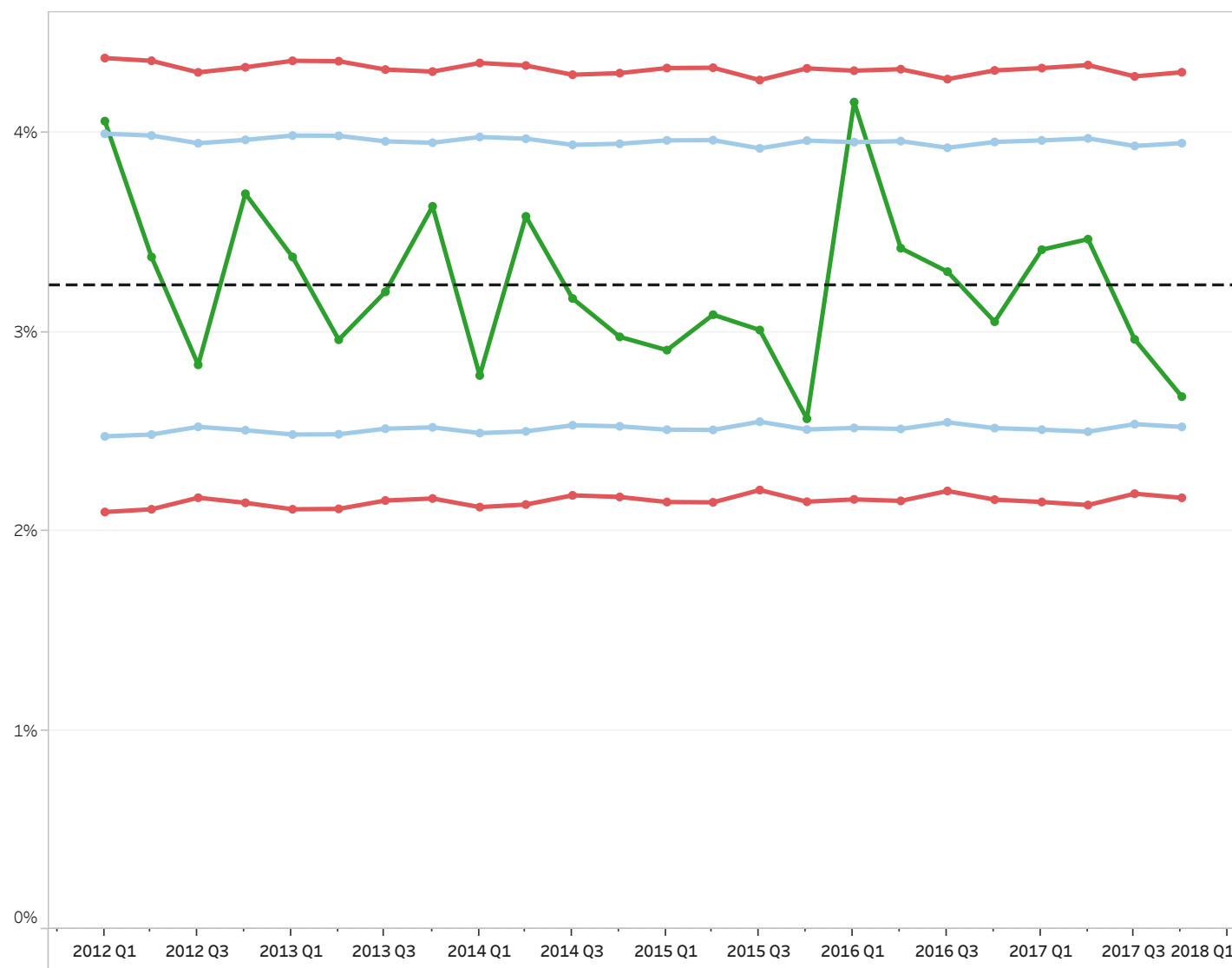
United



Data are through Q4 2017.

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## Franklin County Quarterly Control Chart - Very Preterm Birth (%) CY 2012-2017



**What is a control chart?** Statistical control charts depict variation in the quarterly trends of data for a given measure by helping to identify whether data is within normal limits and patterns of variation, or conversely, whether special cause variation is present. The control charts help to identify "out of control" increases, decreases, or trends for a measure in a given time period. The mean rate is calculated for the overall time period and is represented in black. The quarterly rate is displayed in green. Finally, two and three standard deviations above and below the mean rate are included as upper and lower bounds which adjust according to the size of the quarterly denominators.

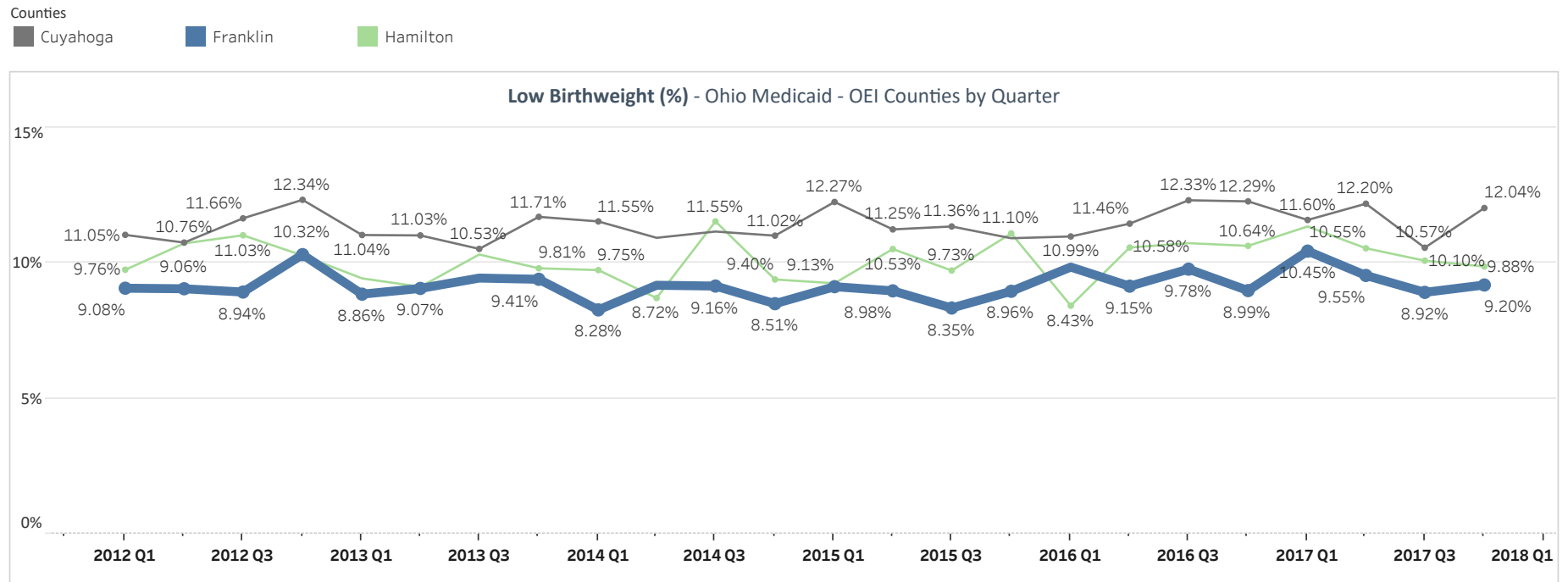
**Note:** Two and three standard deviations were set to zero if the values were less than zero (i.e., a negative value).



## Low Birthweight (%)

## Franklin, Cuyahoga, Hamilton Counties - Low Birthweight (%)

### Trends by Quarter | CY 2012-2017

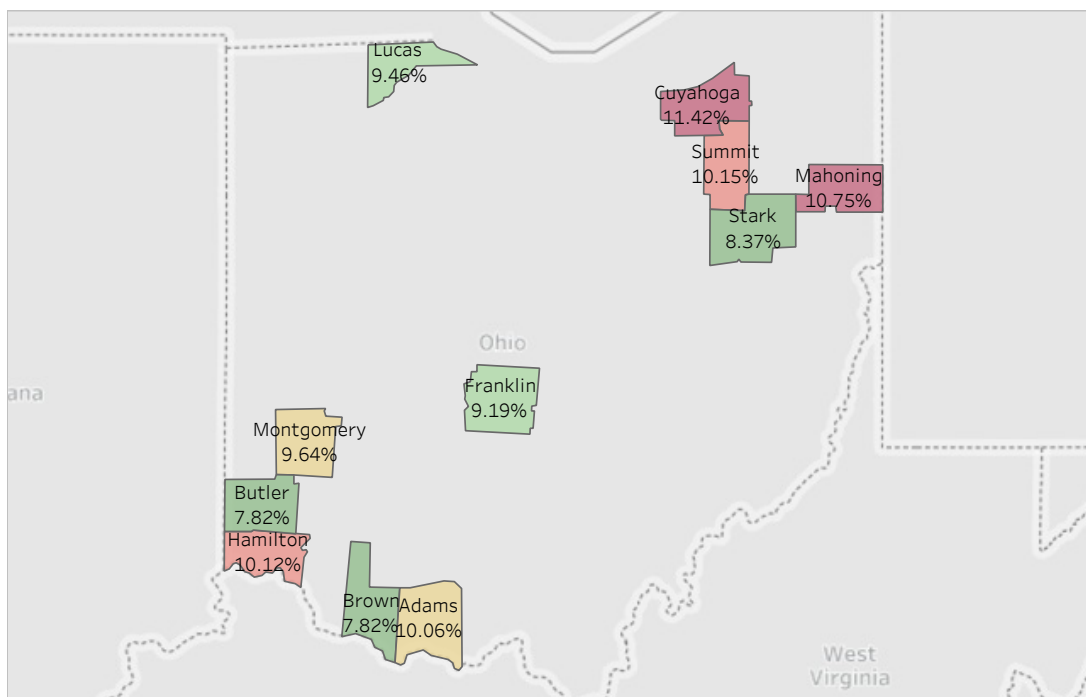


County	LBW Rate Aggregate Q1 2012 - Q4 2017	LBW Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	11.42%	11.58%	From 911 to 865 LBW Infants
Franklin	9.19%	9.51%	From 855 to 809 LBW Infants
Hamilton	10.12%	10.46%	From 556 to 519 LBW Infants

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - Low Birthweight (%)

### OEI County Quintiles | CY 2012-2017



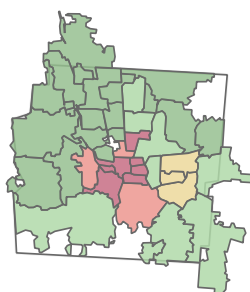
#### Map Measure Ranges

- $\geq 0 < 8.377\%$
- $\geq 8.377\% < 9.467\%$
- $\geq 9.467\% < 10.113\%$
- $\geq 10.113\% < 10.740\%$
- $\geq 10.740\%$

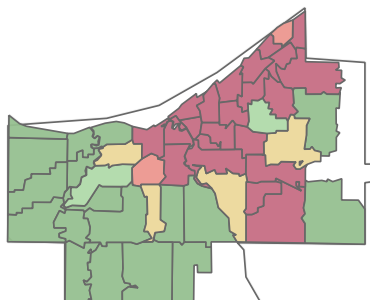
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Data are limited to Medicaid as the payer.

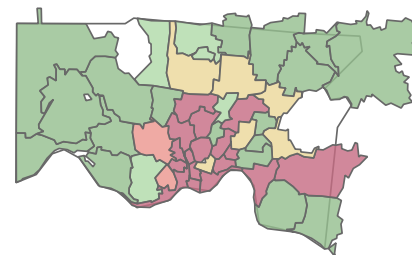
Franklin



Cuyahoga

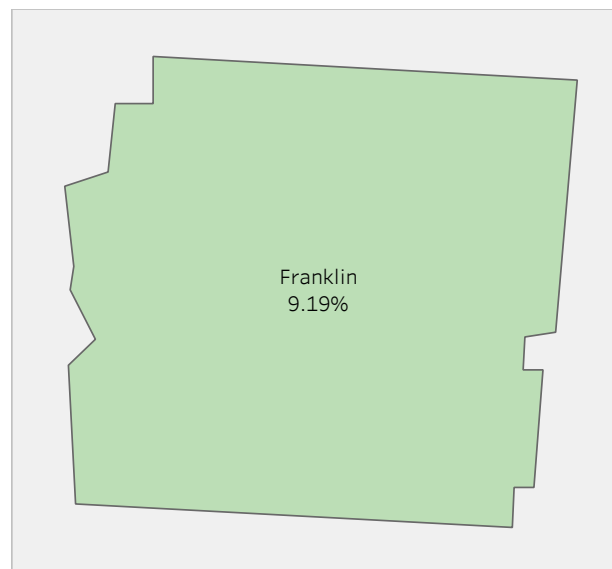
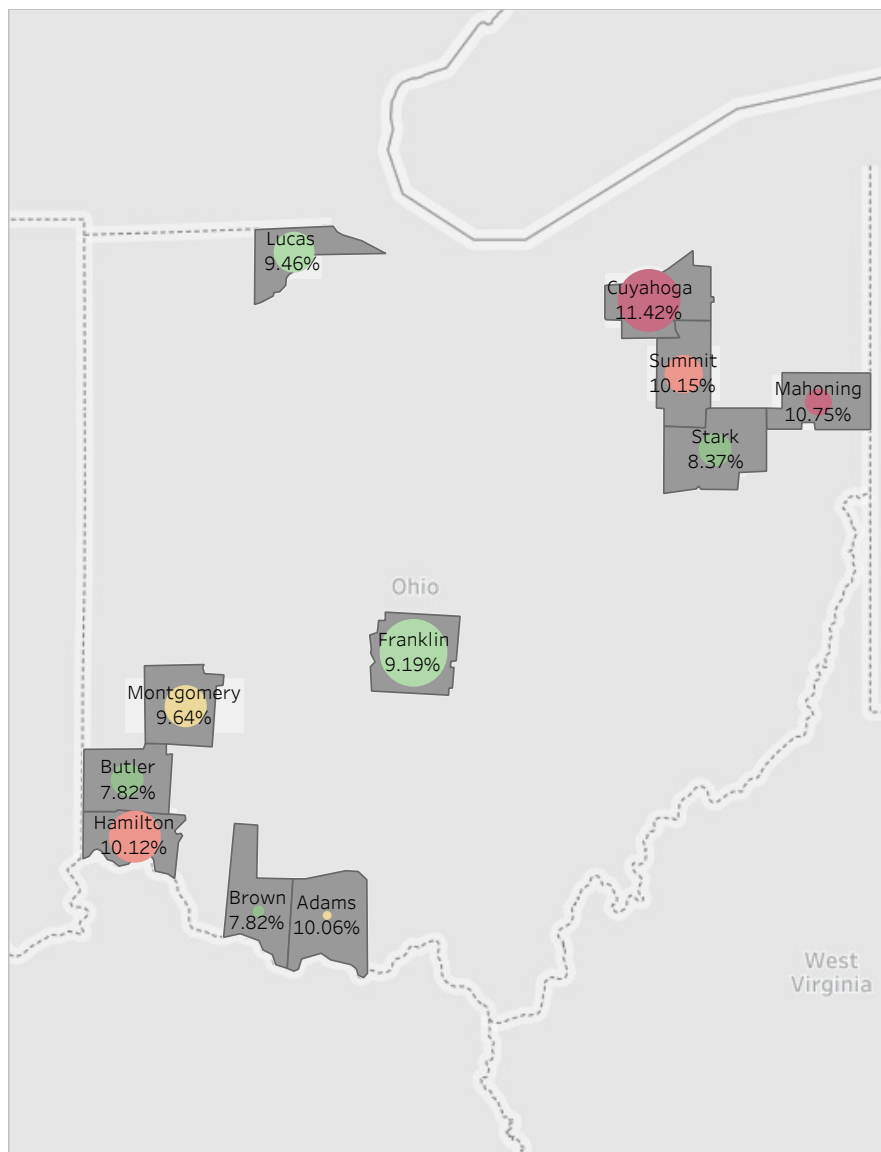


Hamilton



## Franklin County - Low Birthweight (%)

### OEI Quintiles | CY 2012-2017

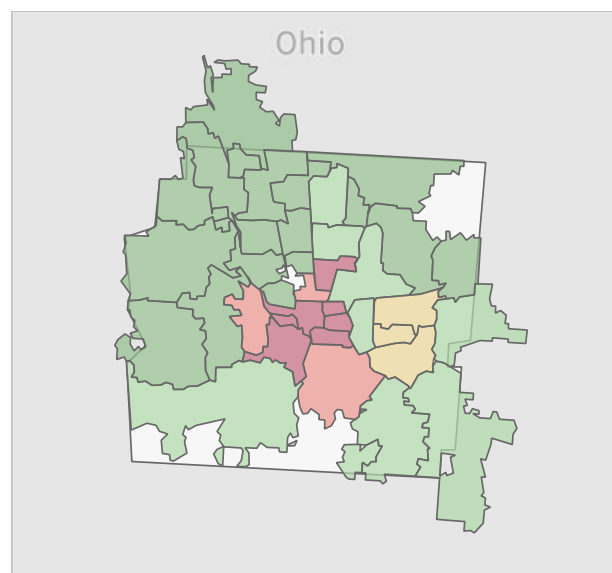


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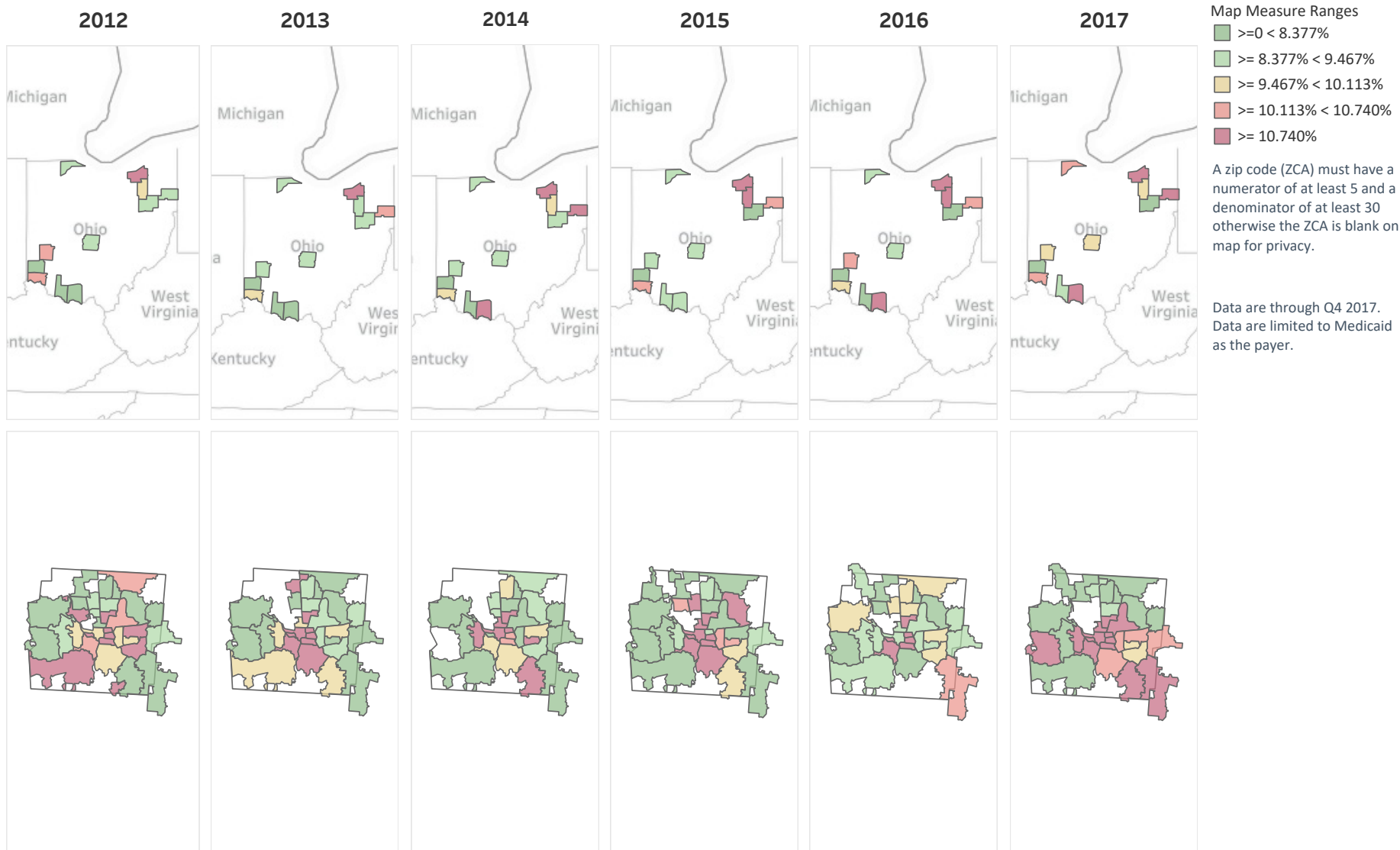
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## Franklin County - Low Birthweight (%)

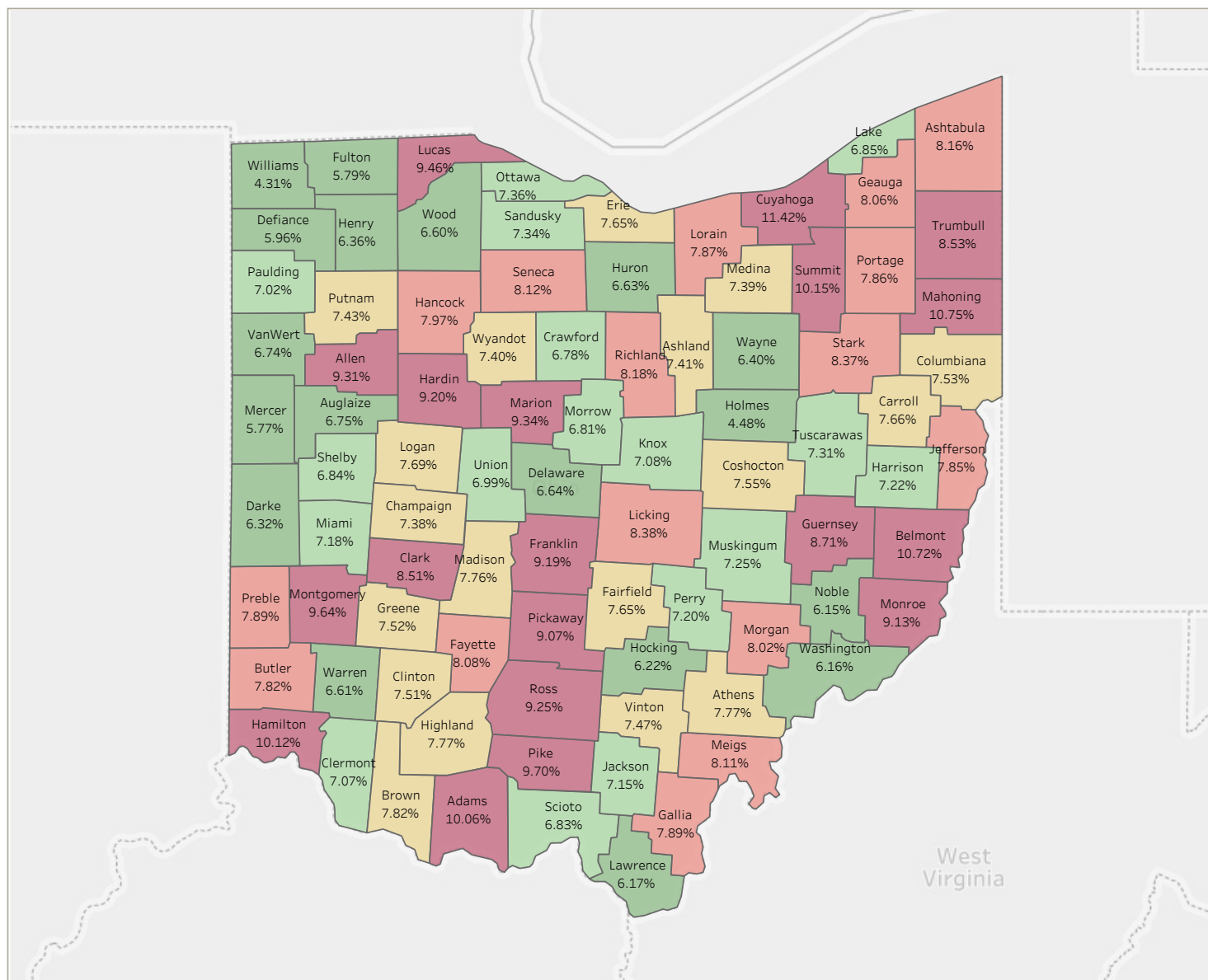
### OEI Quintiles | CY 2012-2017 Yearly Comparison





## Statewide - Low Birthweight (%)

### Overall Quintiles by County | CY 2012 - 2017



#### Map Measure Ranges

- $\geq 0 < 6.765\%$
- $\geq 6.765\% < 7.370\%$
- $\geq 7.370\% < 7.821\%$
- $\geq 7.821\% < 8.448\%$
- $\geq 8.448\%$

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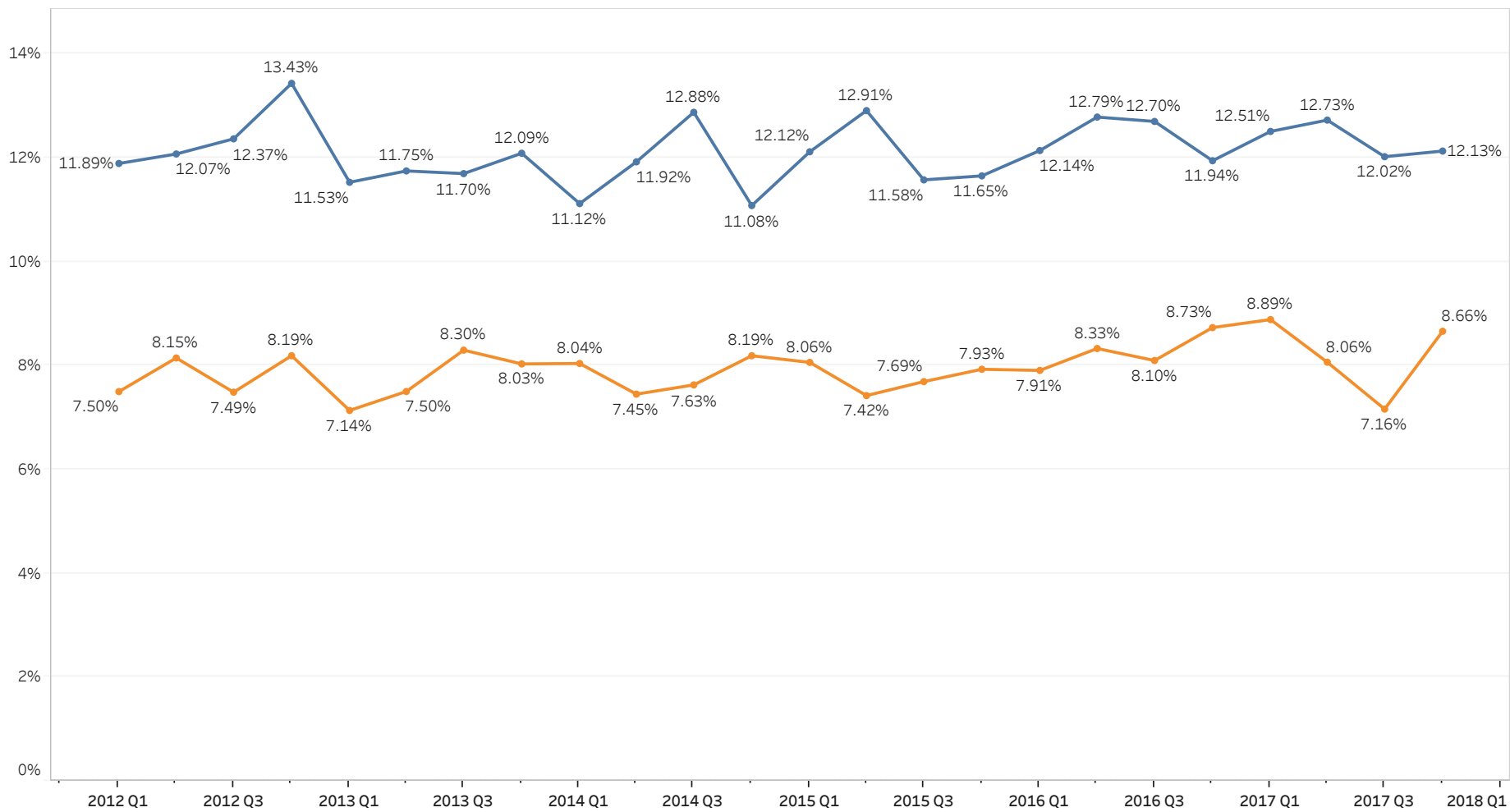
## Quarterly Trends by Race - Low Birthweight (%)

All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Low Birthweight (%) All OEI Counties | CY 2012-2017

Medicaid Plan

All Plans

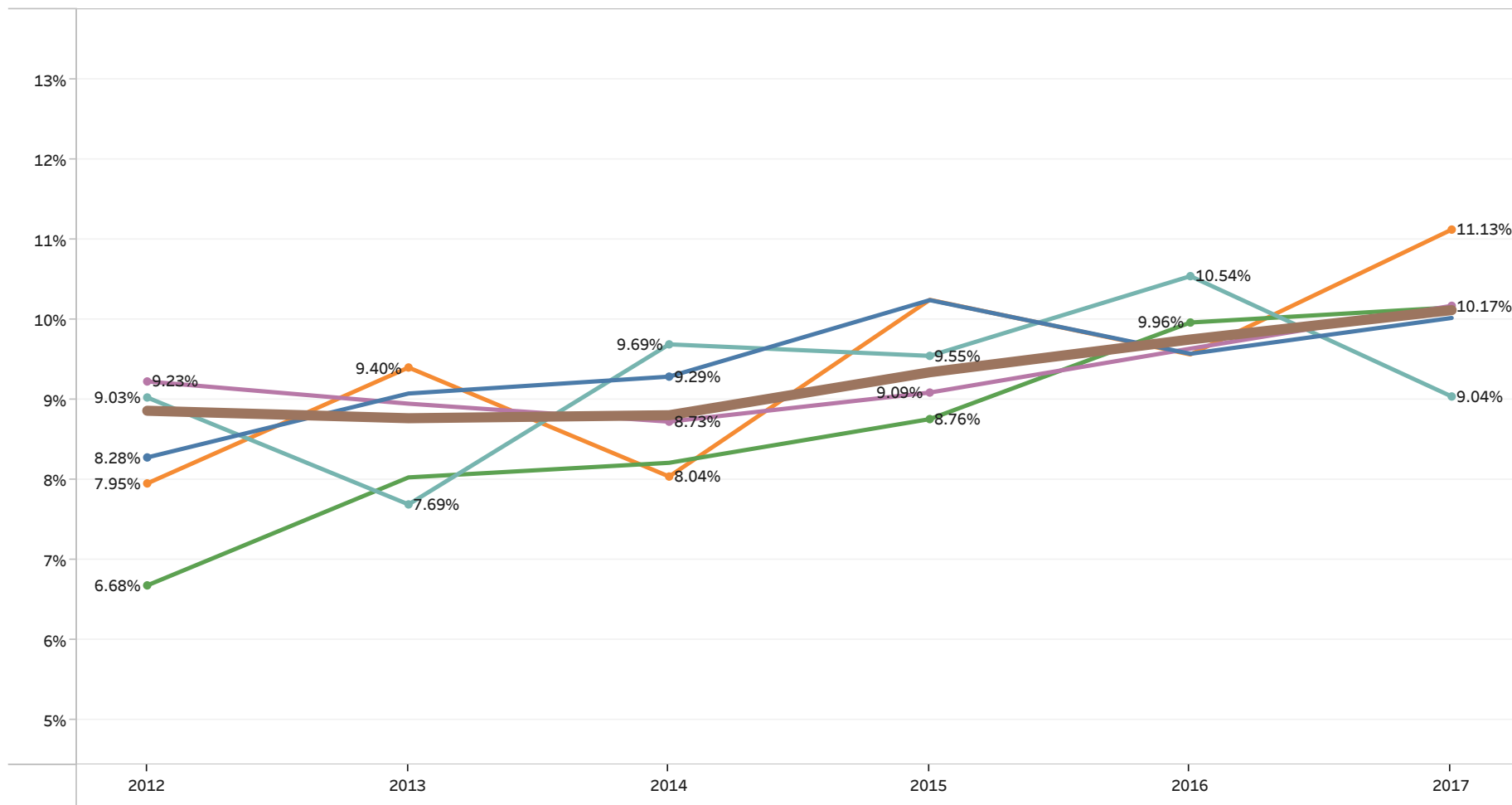
Buckeye

CareSource

Molina

Paramount

United



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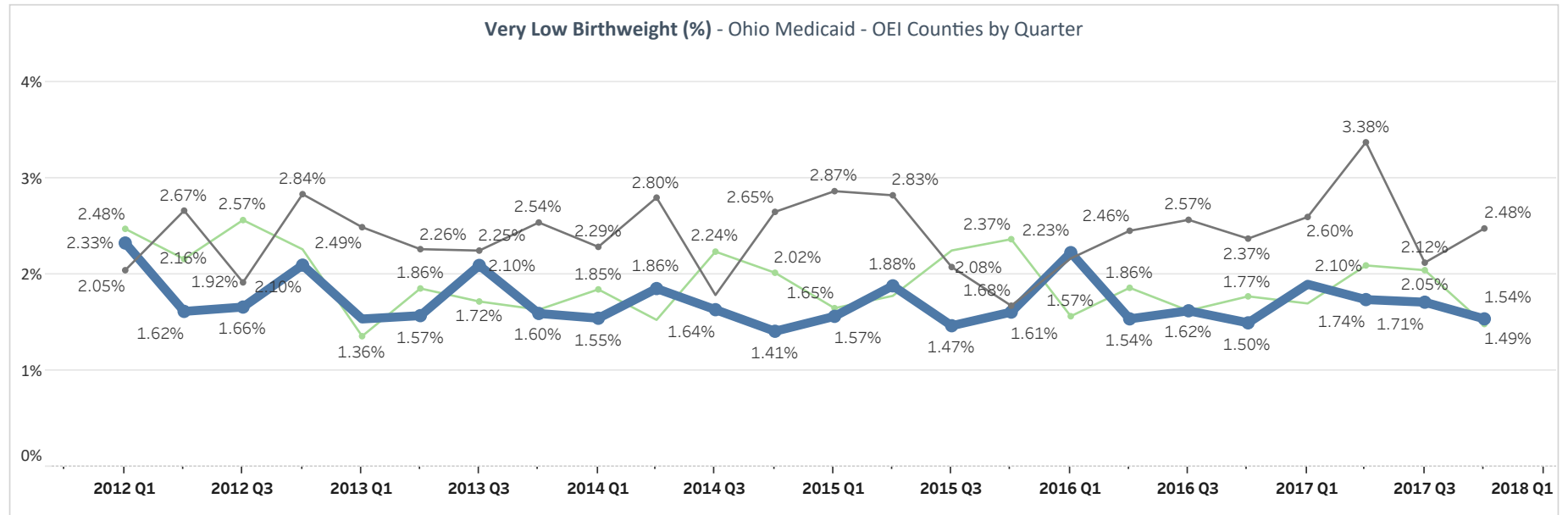
## Very Low Birthweight (%)

## Franklin, Cuyahoga, Hamilton Counties - Very Low Birthweight (%)

### Trends by Quarter | CY 2012-2017

Counties

■ Cuyahoga ■ Franklin ■ Hamilton

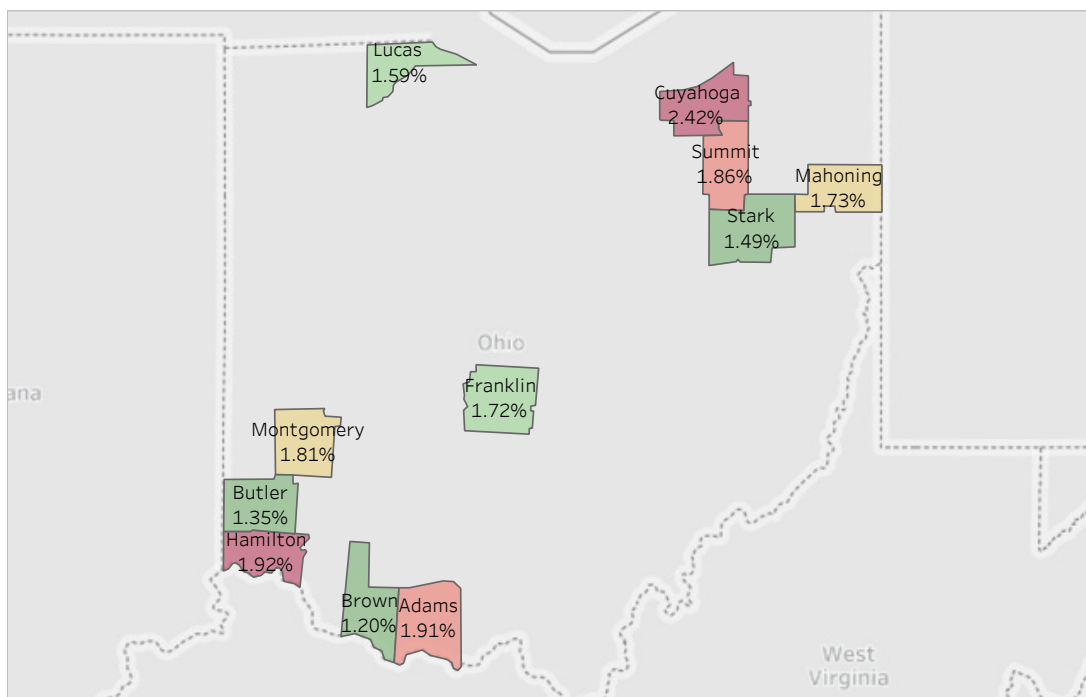


County	VLBW Aggregate Rate Q1 2012 - Q4 2017	VLBW Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	2.42%	2.63%	From 193 to 170 VLBW Infants
Franklin	1.72%	1.72%	From 160 to 139 VLBW Infants
Hamilton	1.92%	1.84%	From 105 to 88 VLBW Infants

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - Very Low Birthweight (%)

### OEI County Quintiles | CY 2012-2017



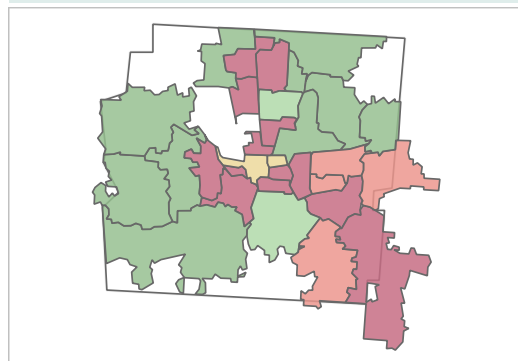
#### Map Measure Ranges

- $\geq 0 < 1.505\%$
- $\geq 1.505\% < 1.726\%$
- $\geq 1.726\% < 1.849\%$
- $\geq 1.849\% < 1.915\%$
- $\geq 1.915\%$

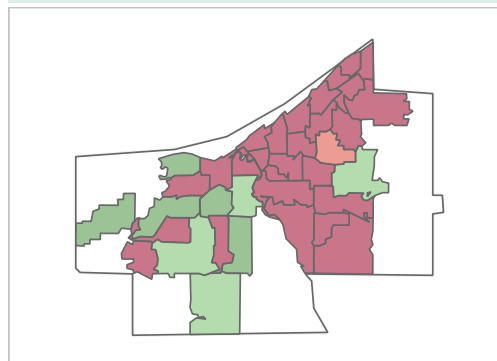
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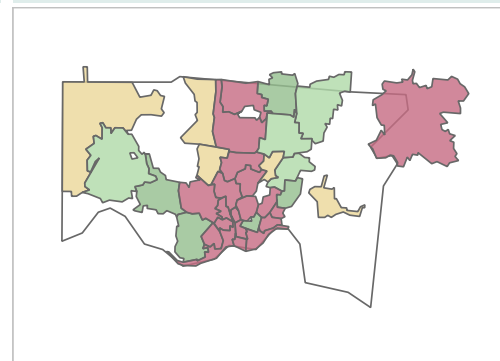
Franklin



Cuyahoga

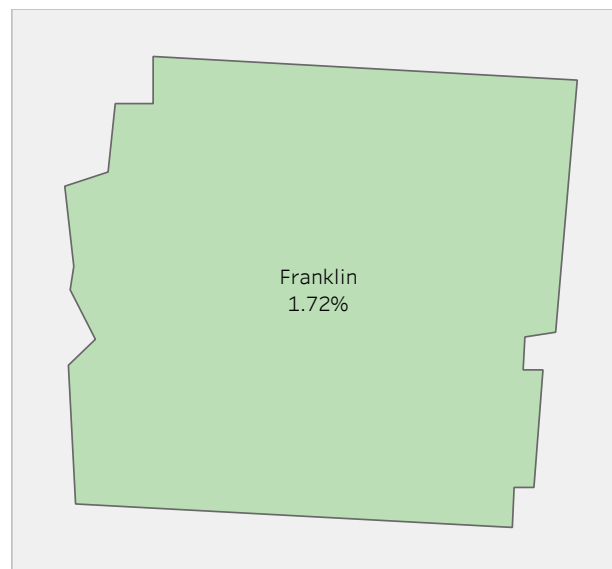
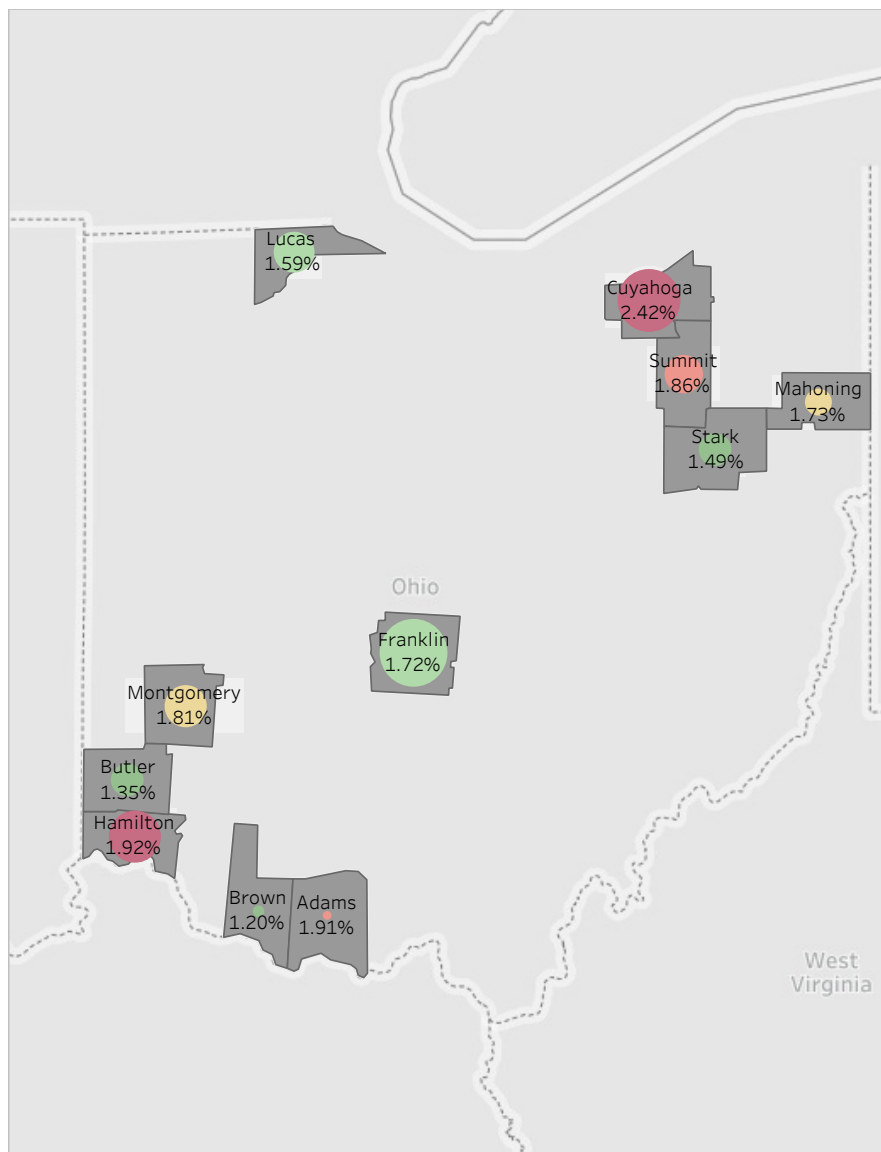


Hamilton



## Franklin County - Very Low Birthweight (%)

### OEI Quintiles | CY 2012-2017

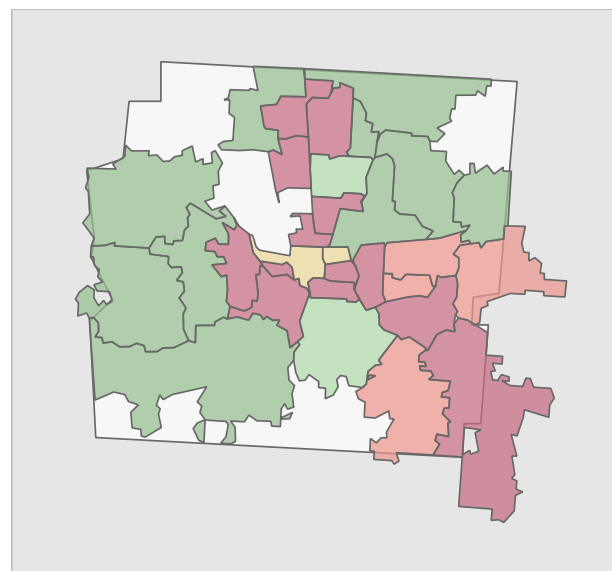


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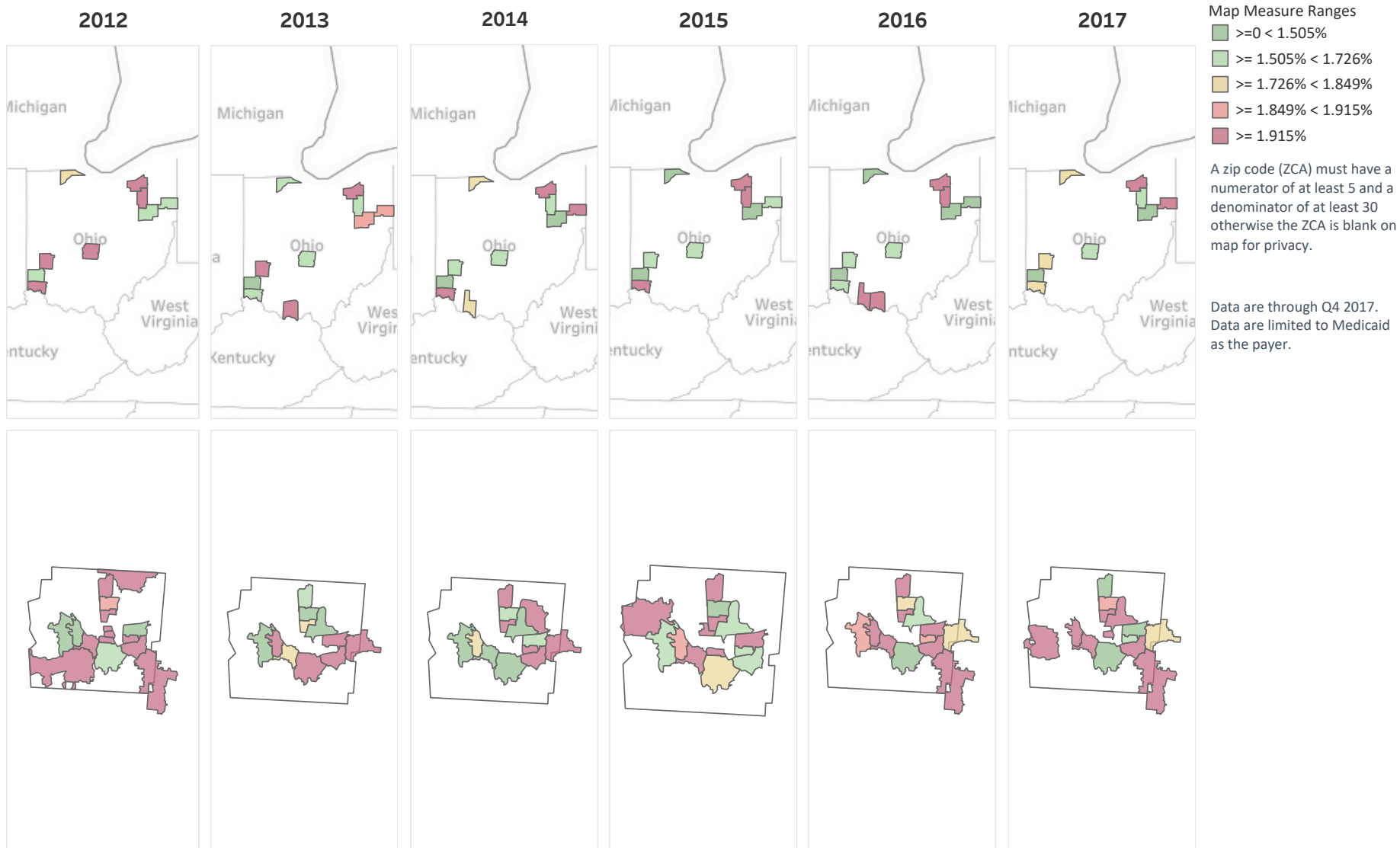
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## Franklin County - Very Low Birthweight (%)

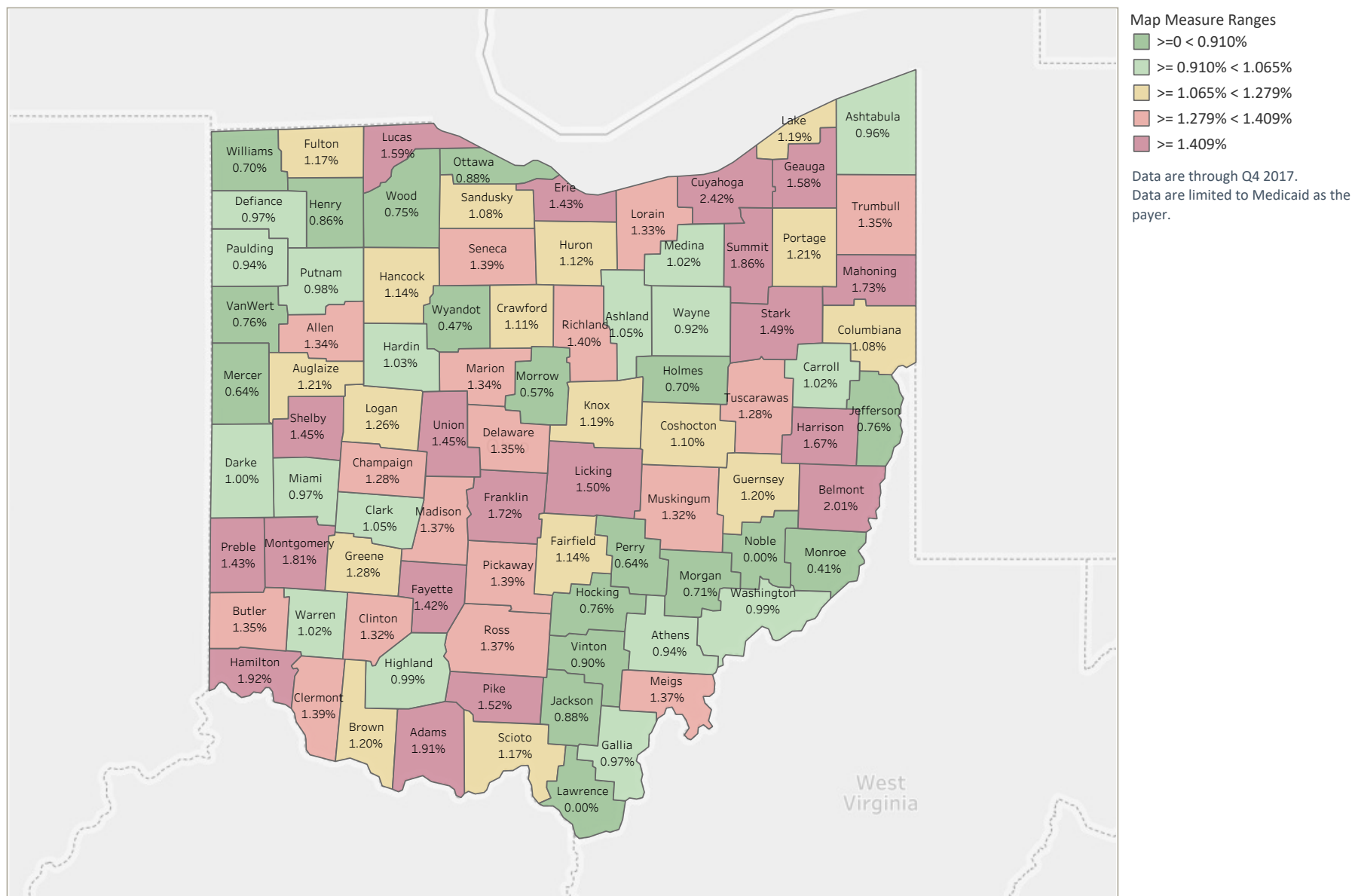
### OEI Quintiles | CY 2012-2017 Yearly Comparison





## Statewide - Very Low Birthweight (%)

### Overall Quintiles by County | CY 2012 - 2017





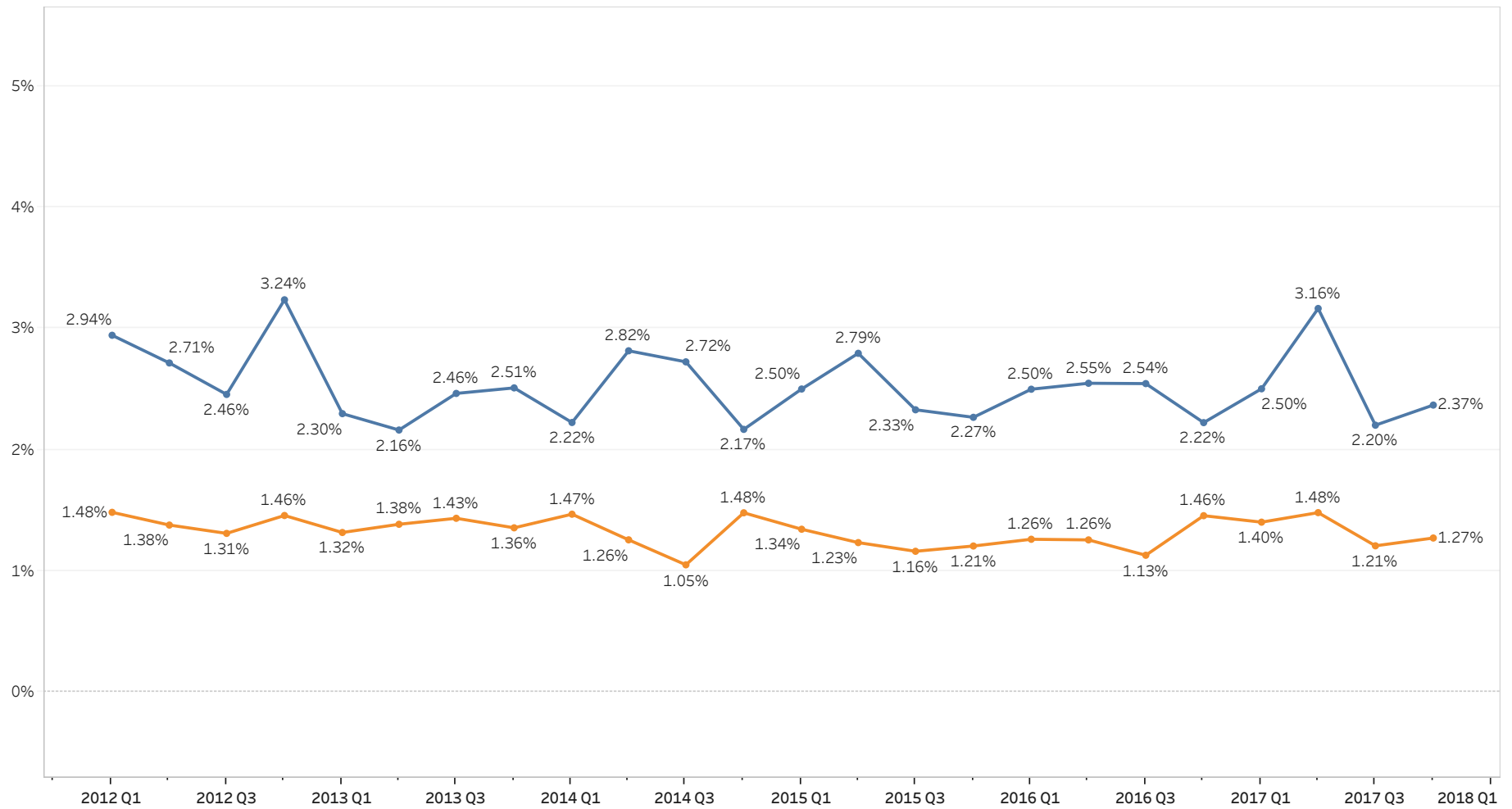
## Quarterly Trends by Race - Very Low Birthweight (%)

All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Very Low Birthweight (%) All OEI Counties | CY 2012-2017

Medicaid Plan  
All Plans

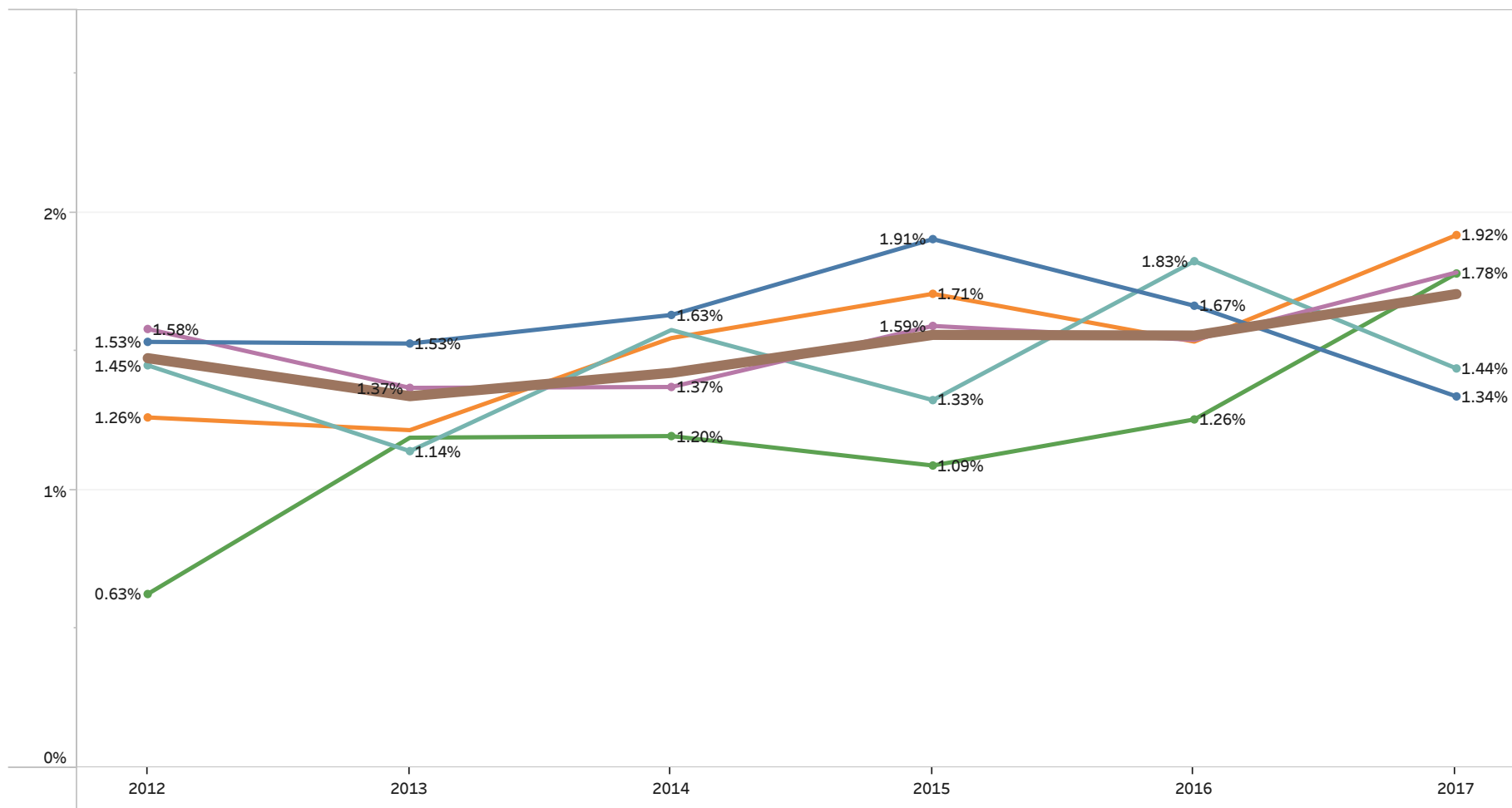
Buckeye

CareSource

Molina

Paramount

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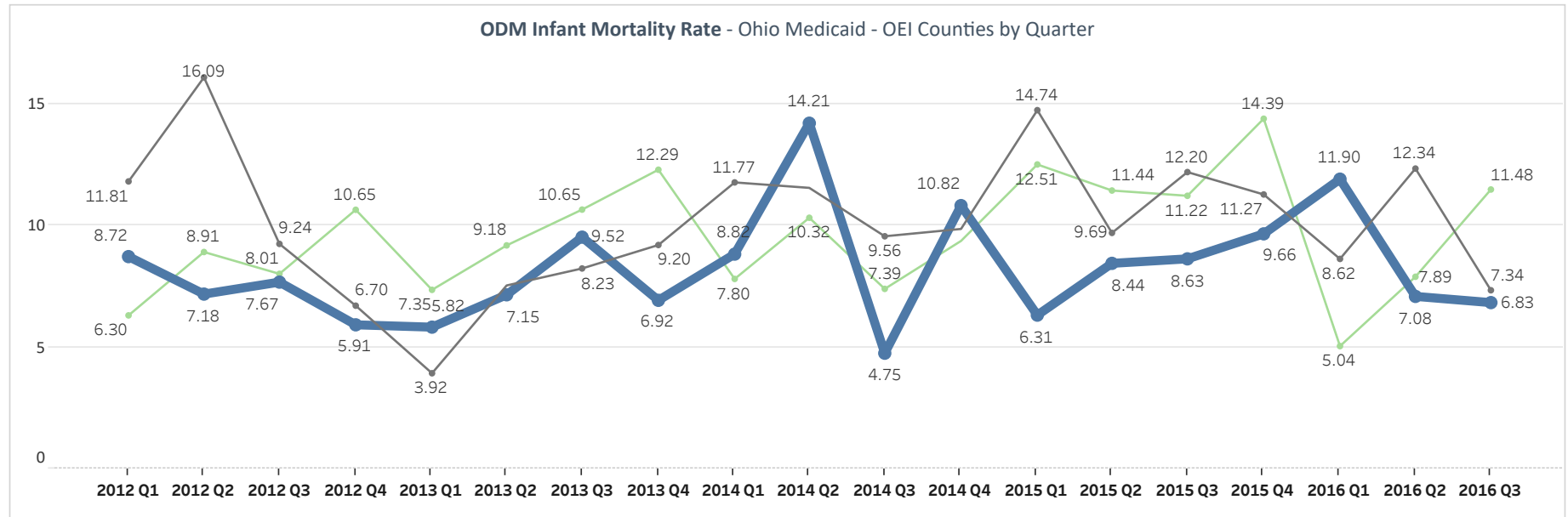


## **Infant Mortality Rate (ODM Cohort Method Using ODM Data)**

## Franklin, Cuyahoga, Hamilton Counties - ODM Infant Mortality Rate Trends by Quarter | CY 2012-2016

### Counties

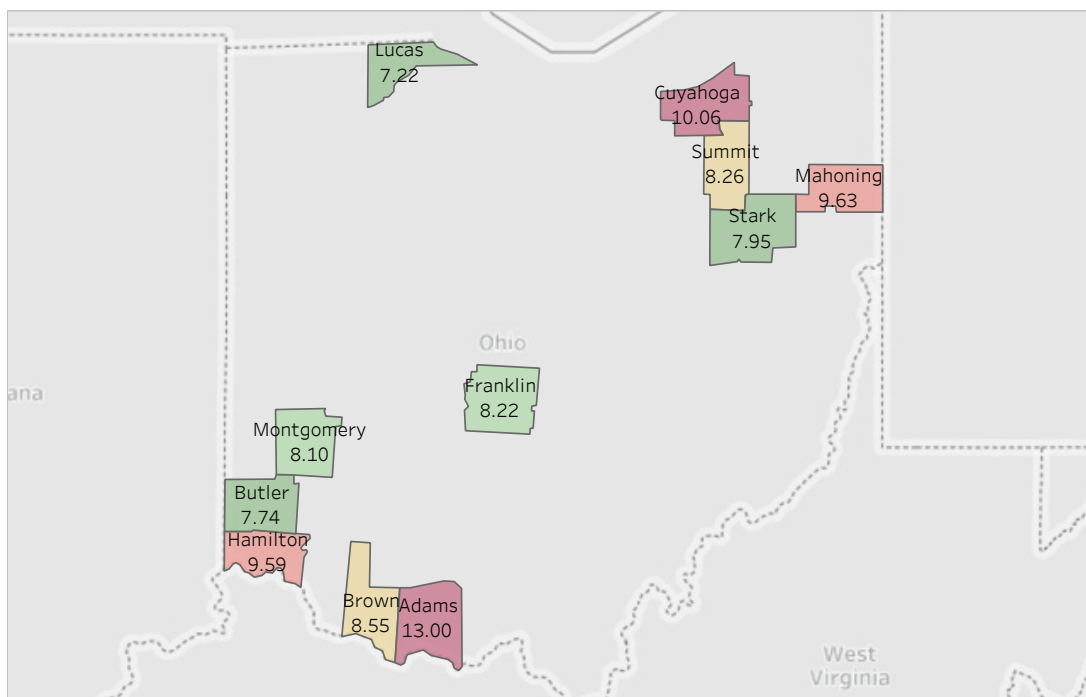
■ Cuyahoga ■ Franklin ■ Hamilton



County	Infant Mortality Aggregate Rate Q1 2012 - Q3 2016	Infant Mortality Current Rate Q4 2015 - Q3 2016	Annual Target for Real Impact*
Cuyahoga	10.06	9.84	From 84 to 69 Deaths
<b>Franklin</b>	8.22	8.83	From 79 to 64 Deaths
Hamilton	9.59	9.73	From 55 to 43 Deaths

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q3 2016) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q3 2016. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - ODM Infant Mortality Rate OEI County Quintiles | CY 2012-2016



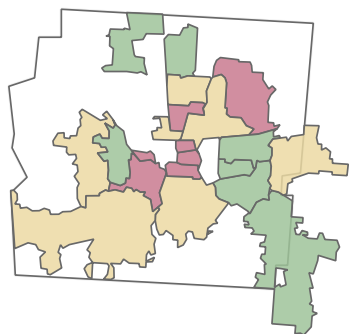
### Map Measure Ranges

- >= 0 < 7.959
- >= 7.959 < 8.234
- >= 8.234 < 9.582
- >= 9.582 < 10.047
- >= 10.047

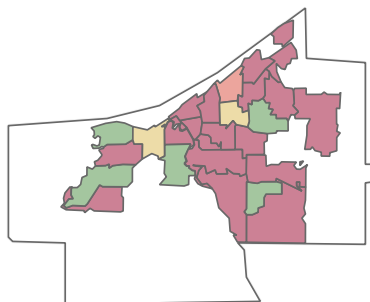
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q3 2016.  
Data are limited to Medicaid as the payer.

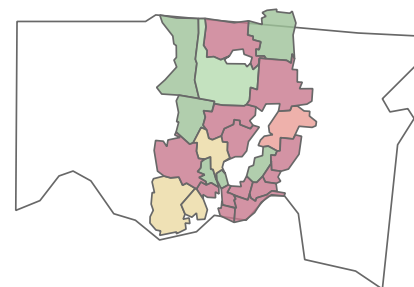
Franklin



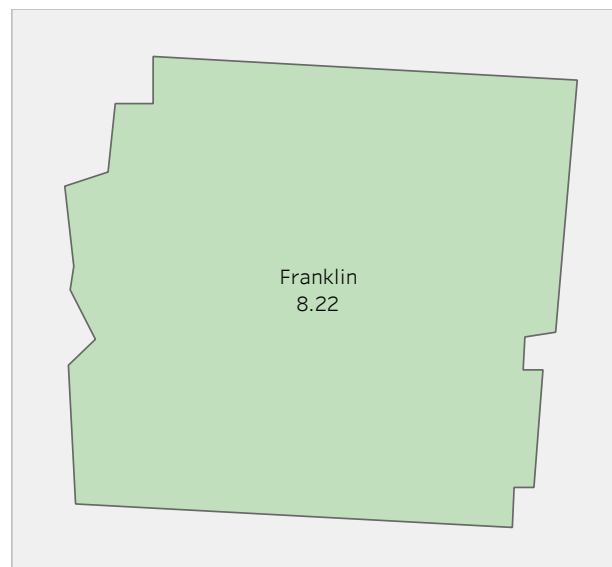
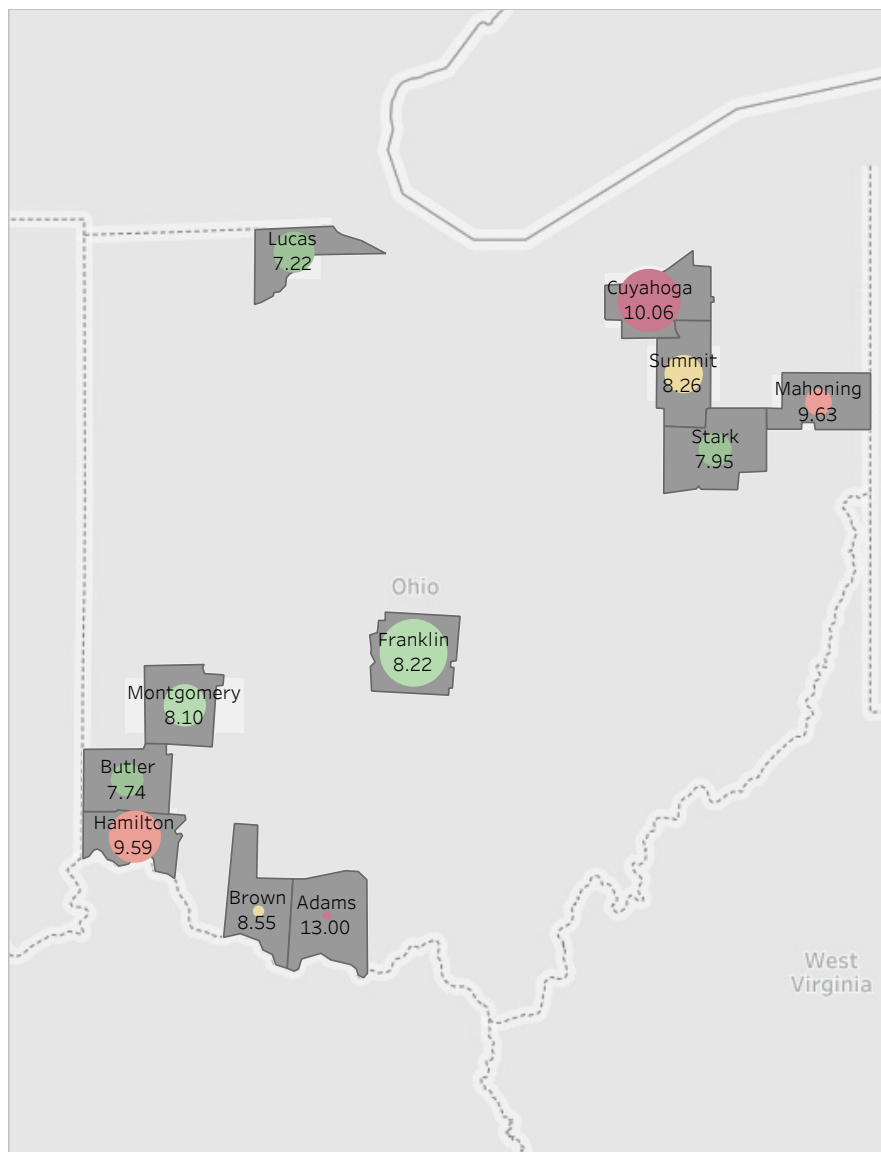
Cuyahoga



Hamilton



## Franklin County - ODM Infant Mortality Rate OEI Quintiles | CY 2012-2016

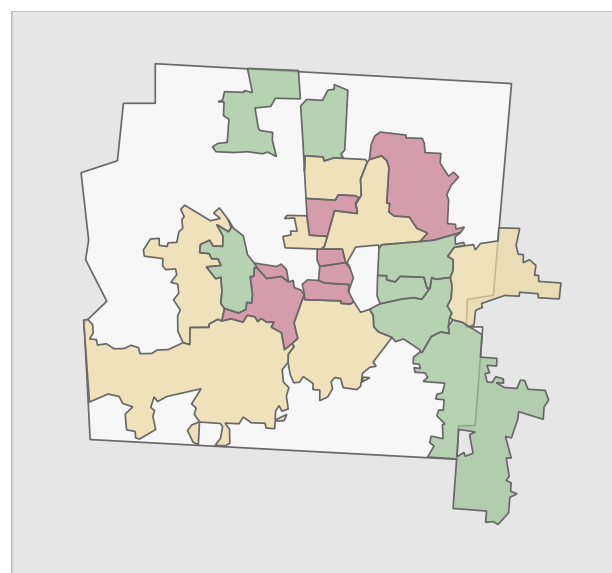


### Map Measure Ranges

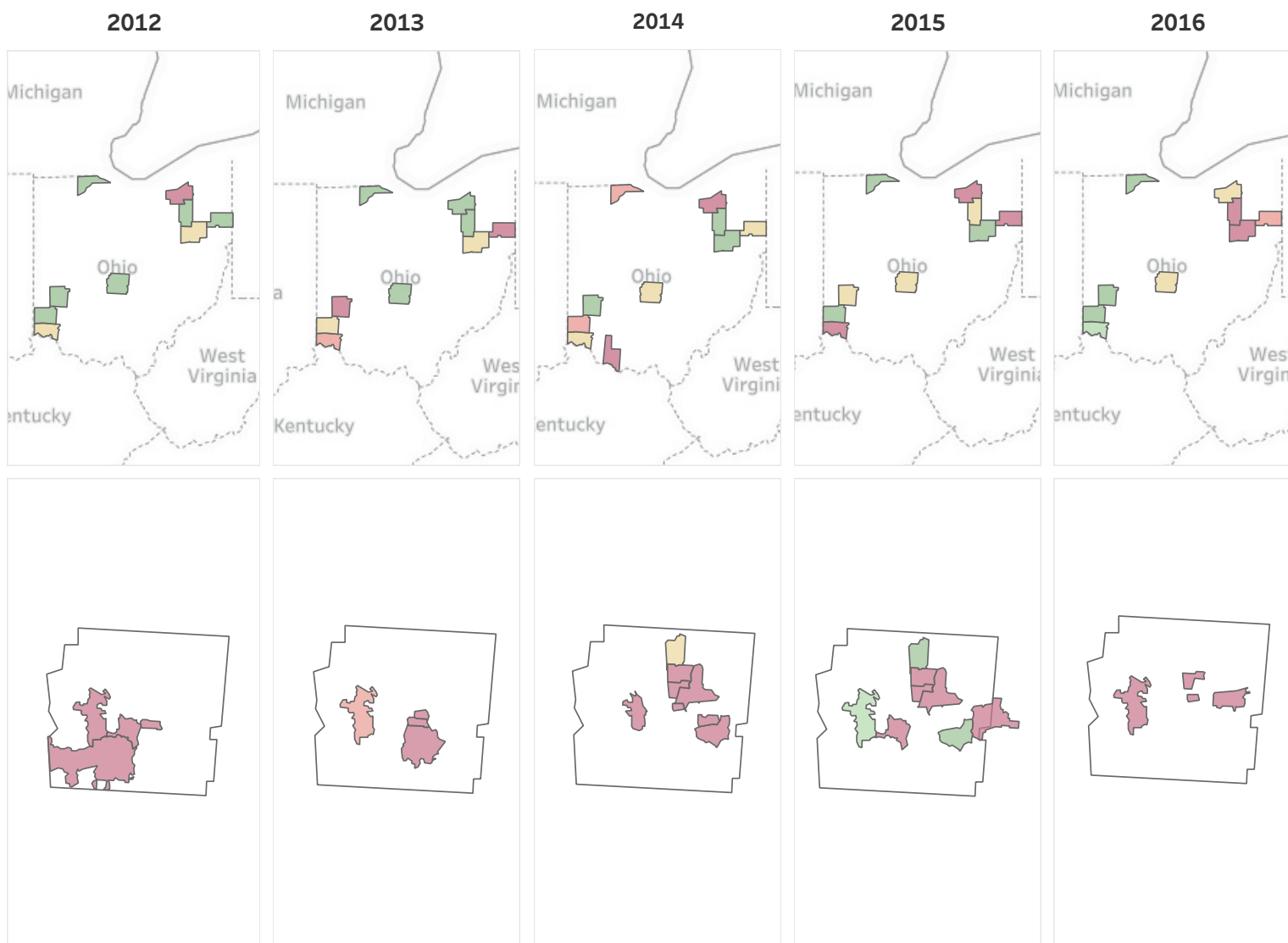
- $\geq 0 < 7.959$
- $\geq 7.959 < 8.234$
- $\geq 8.234 < 9.582$
- $\geq 9.582 < 10.047$
- $\geq 10.047$

A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q3 2016.  
Data are limited to Medicaid as the payer.



## Franklin County - ODM Infant Mortality Rate OEI Quintiles | CY 2012-2016 Yearly Comparison



Map Measure Ranges

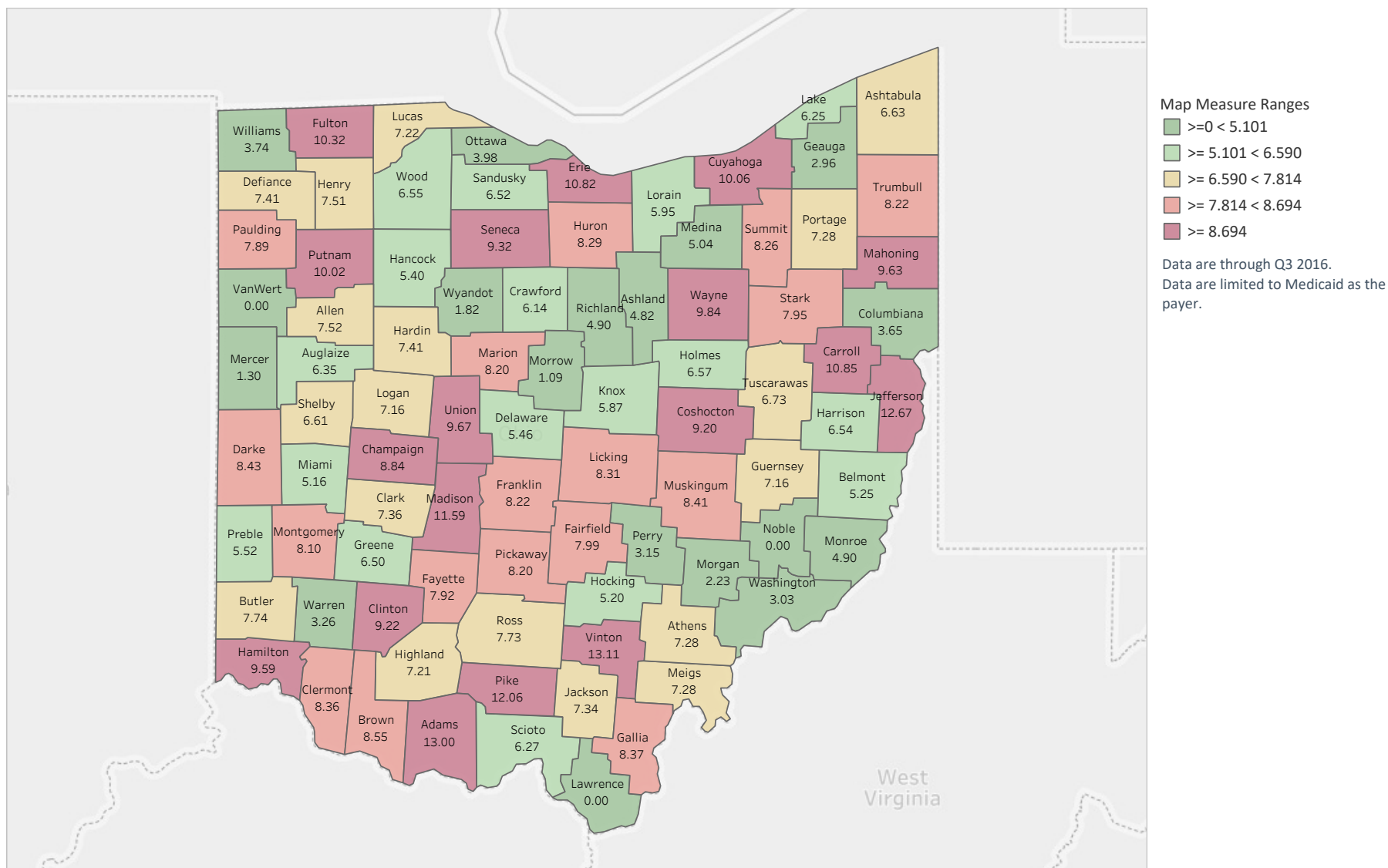
- $\geq 0 < 7.959$
- $\geq 7.959 < 8.234$
- $\geq 8.234 < 9.582$
- $\geq 9.582 < 10.047$
- $\geq 10.047$

A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q3 2016  
Data are limited to Medicaid as the payer.



## Statewide - ODM Infant Mortality Rate Overall Quintiles by County | CY 2012 - 2016

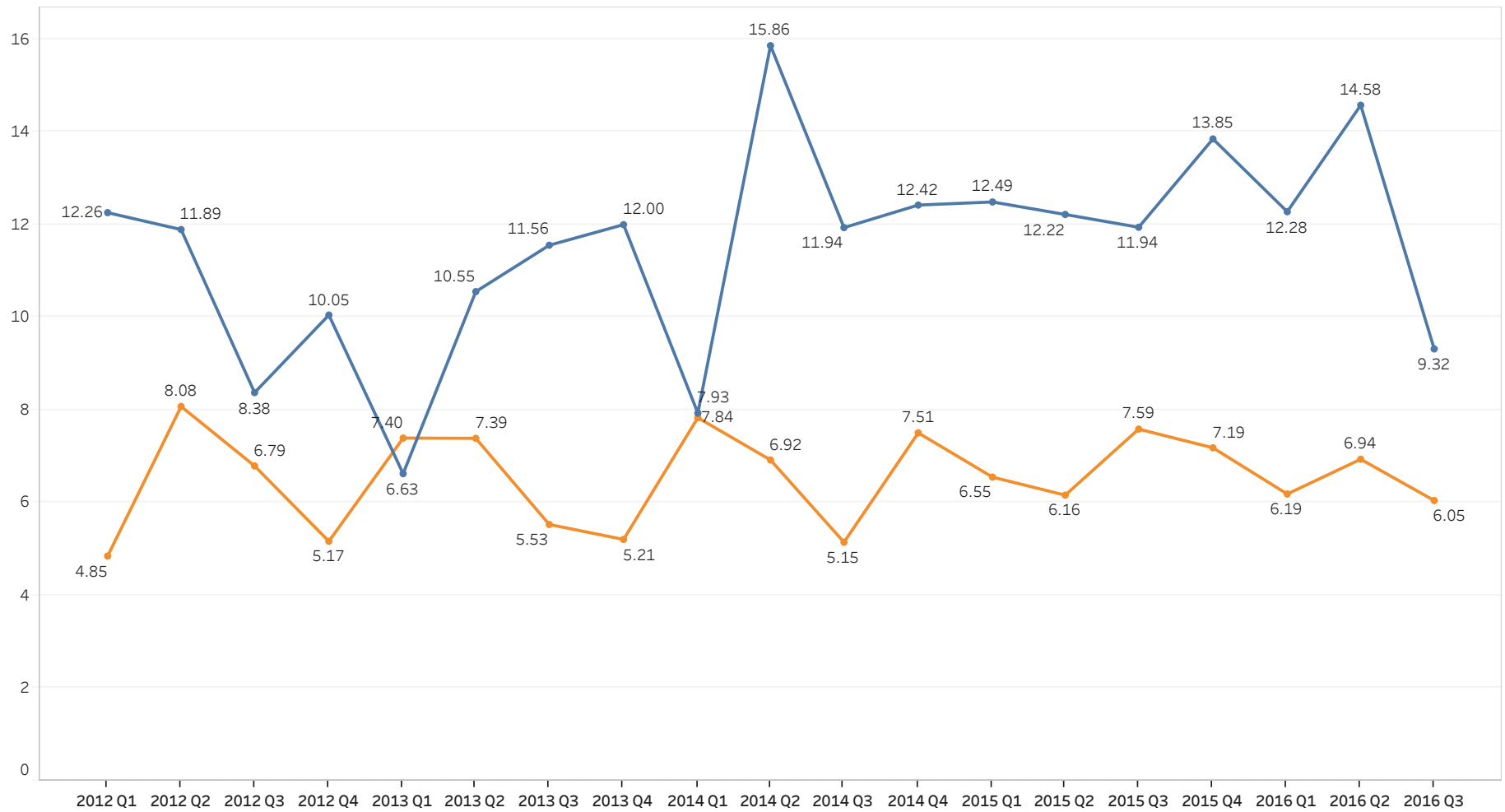


## Quarterly Trends by Race - ODM Infant Mortality Rate All OEI Counties | CY 2012-2016

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - ODM Infant Mortality Rate All OEI Counties | CY 2012-2016

Medicaid Plan

All Plans

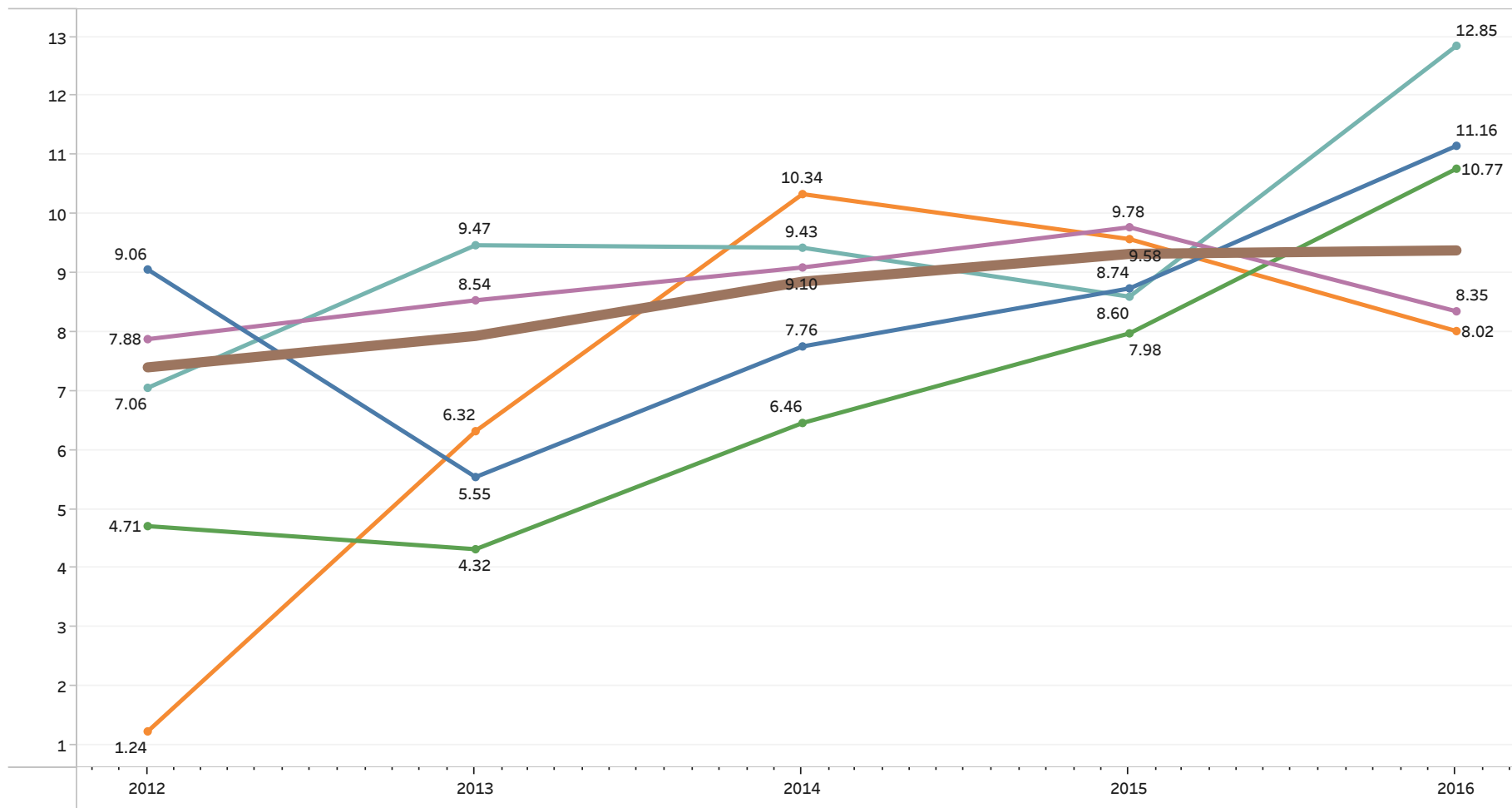
Buckeye

CareSource

Molina

Paramount

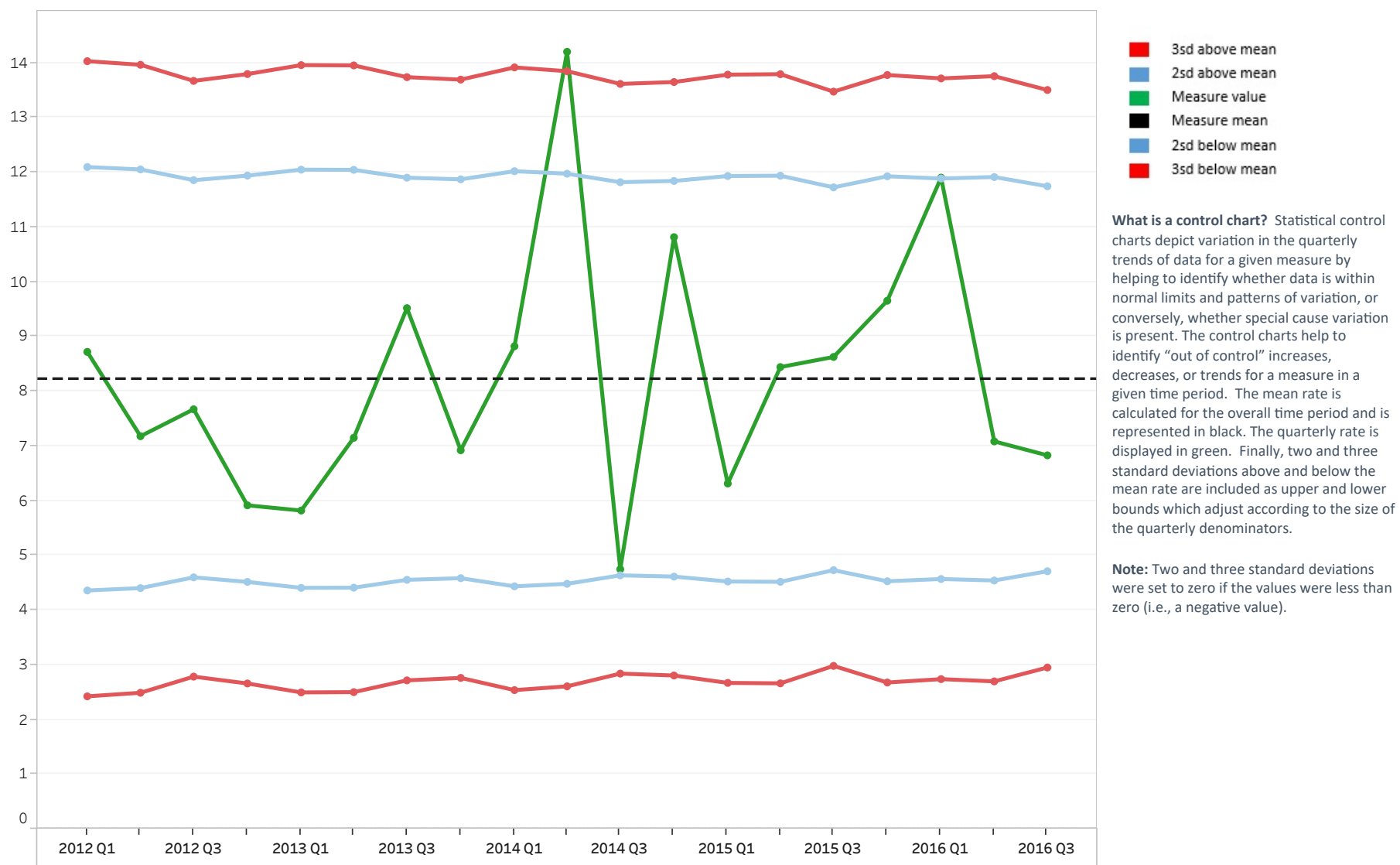
United



Data are through Q3 2016.

Data are limited to Medicaid as the payer.

## Franklin County Quarterly Control Chart - ODM Infant Mortality Rate CY 2012-2016



Data are limited to Medicaid as the payer.

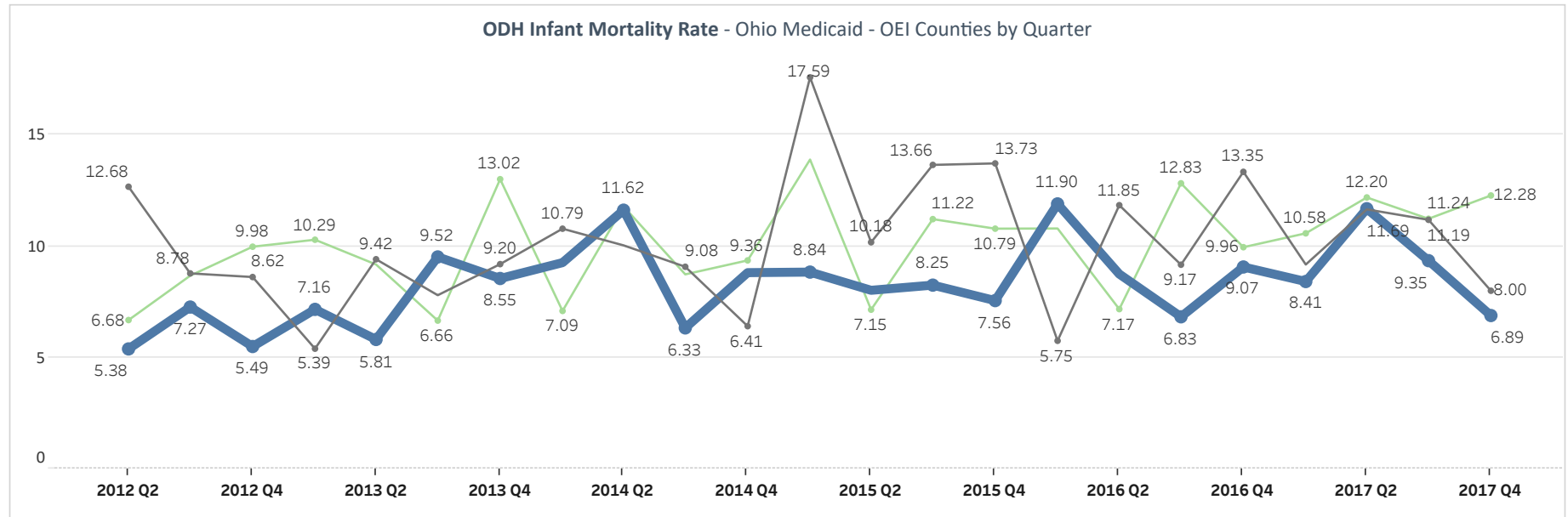


## **Infant Mortality Rate (ODH Raw Deaths/Births Method)**

## Franklin, Cuyahoga, Hamilton Counties - ODH Infant Mortality Rate Trends by Quarter | CY 2012-2017

Counties

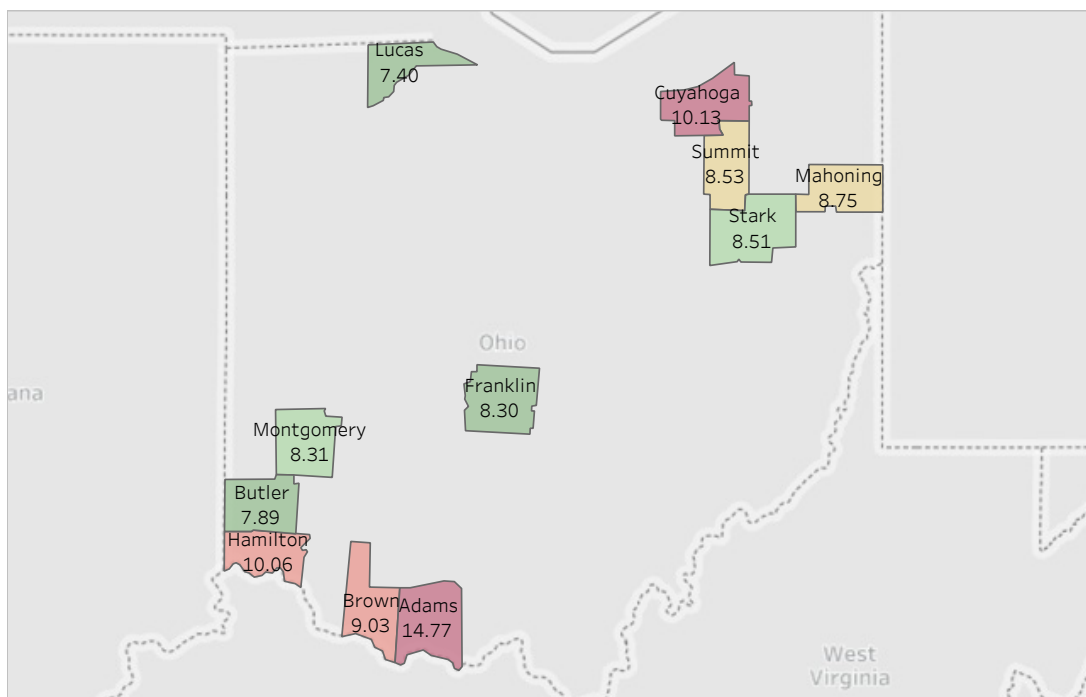
■ Cuyahoga ■ Franklin ■ Hamilton



County	ODH Infant Mortality Aggregate Rate Q2 2012 - Q4 2017	ODH Infant Mortality Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	10.13	10.00	From 84 to 69 Deaths
<b>Franklin</b>	<b>8.30</b>	<b>9.05</b>	From 80 to 65 Deaths
Hamilton	10.06	11.58	From 57 to 45 Deaths

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q2 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q2 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - ODH Infant Mortality Rate OEI County Quintiles | CY 2012-2017



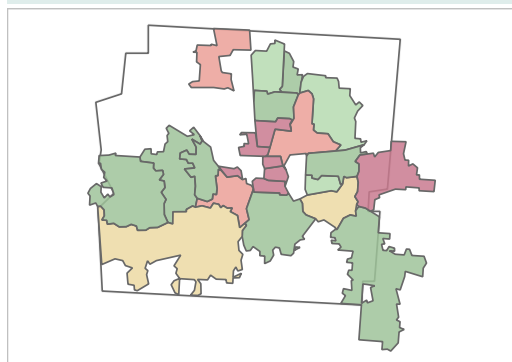
### Map Measure Ranges

- >= 0 < 8.307
- >= 8.307 < 8.521
- >= 8.521 < 9.016
- >= 9.016 < 10.122
- >= 10.122

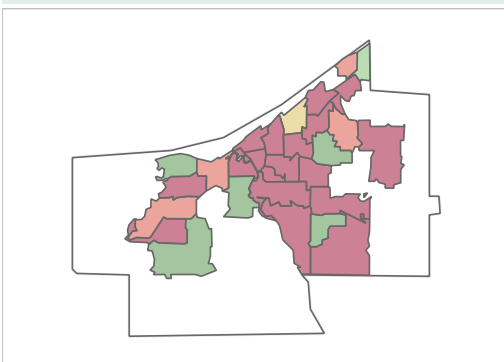
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

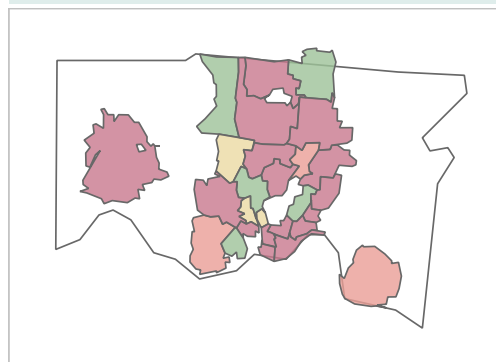
Franklin



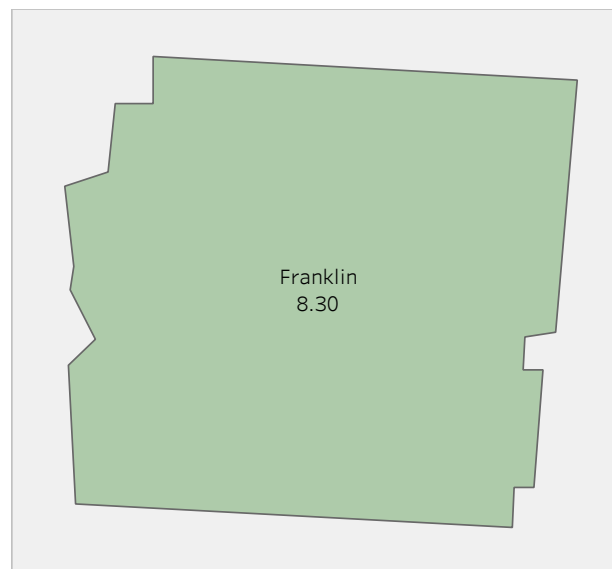
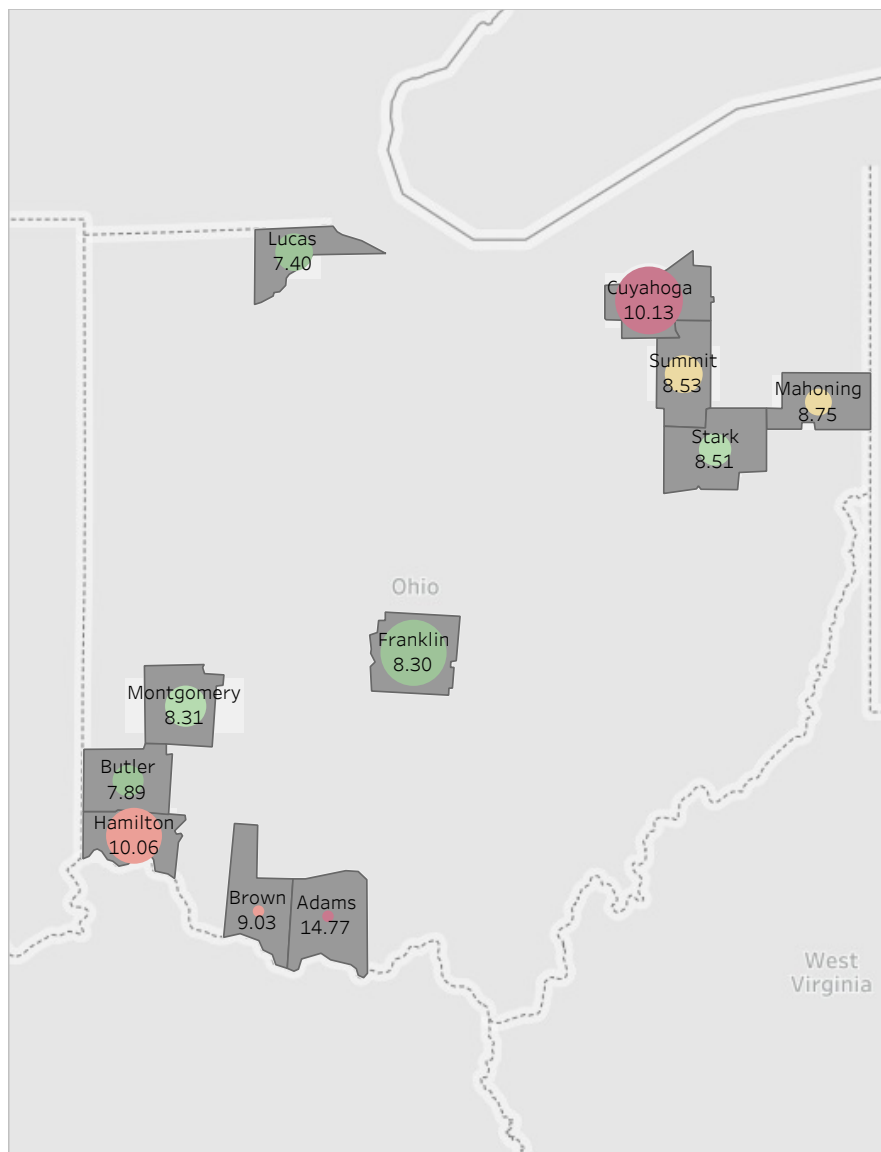
Cuyahoga



Hamilton



## Franklin County - ODH Infant Mortality Rate OEI Quintiles | CY 2012-2017

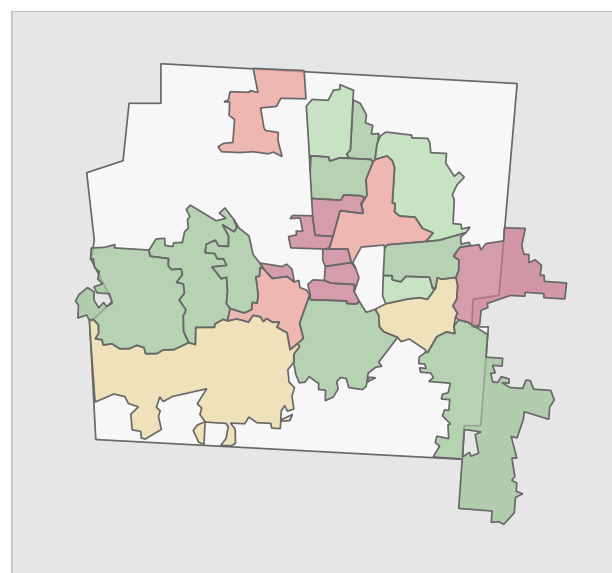


### Map Measure Ranges

- $\geq 0 < 8.307$
- $\geq 8.307 < 8.521$
- $\geq 8.521 < 9.016$
- $\geq 9.016 < 10.122$
- $\geq 10.122$

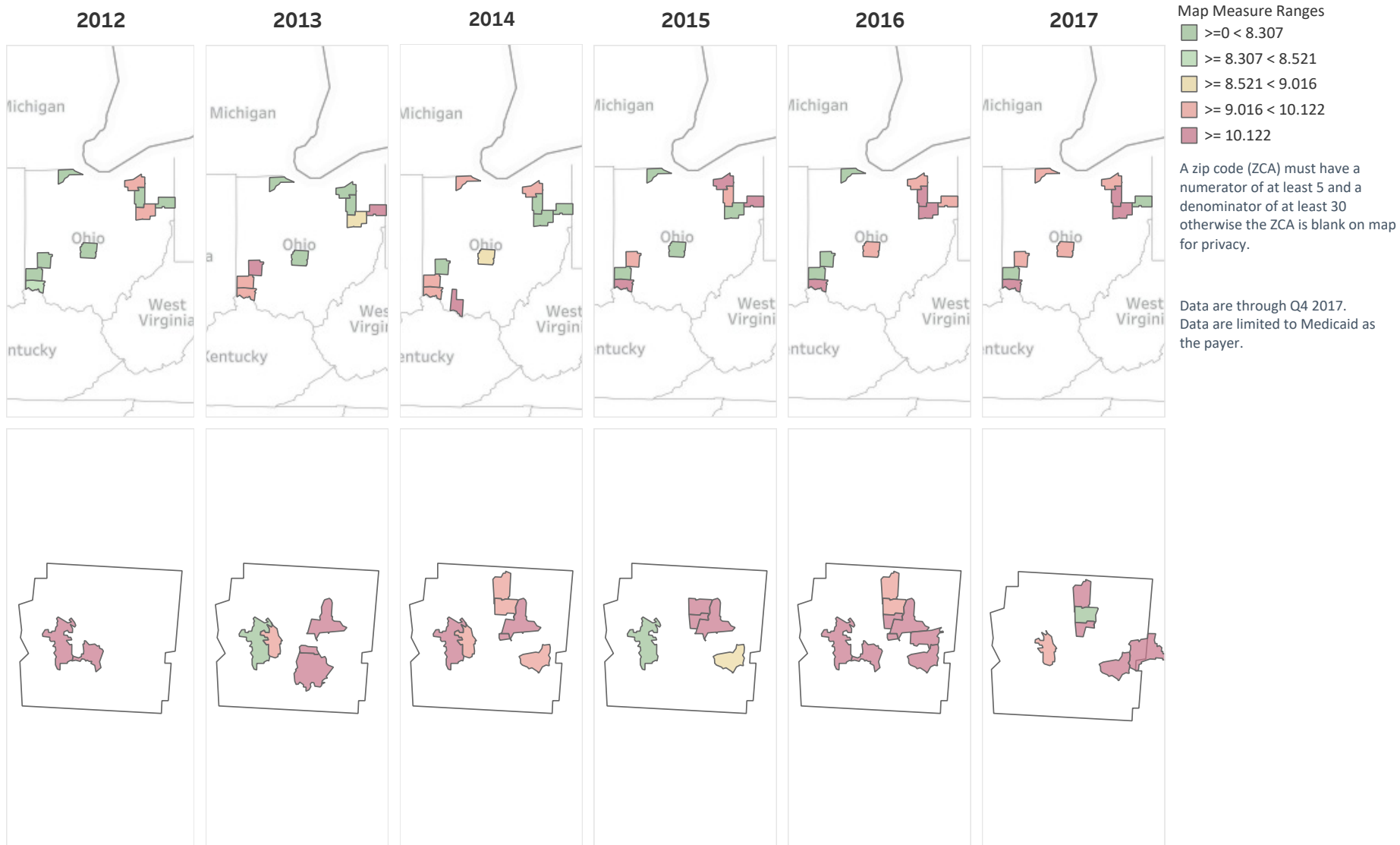
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

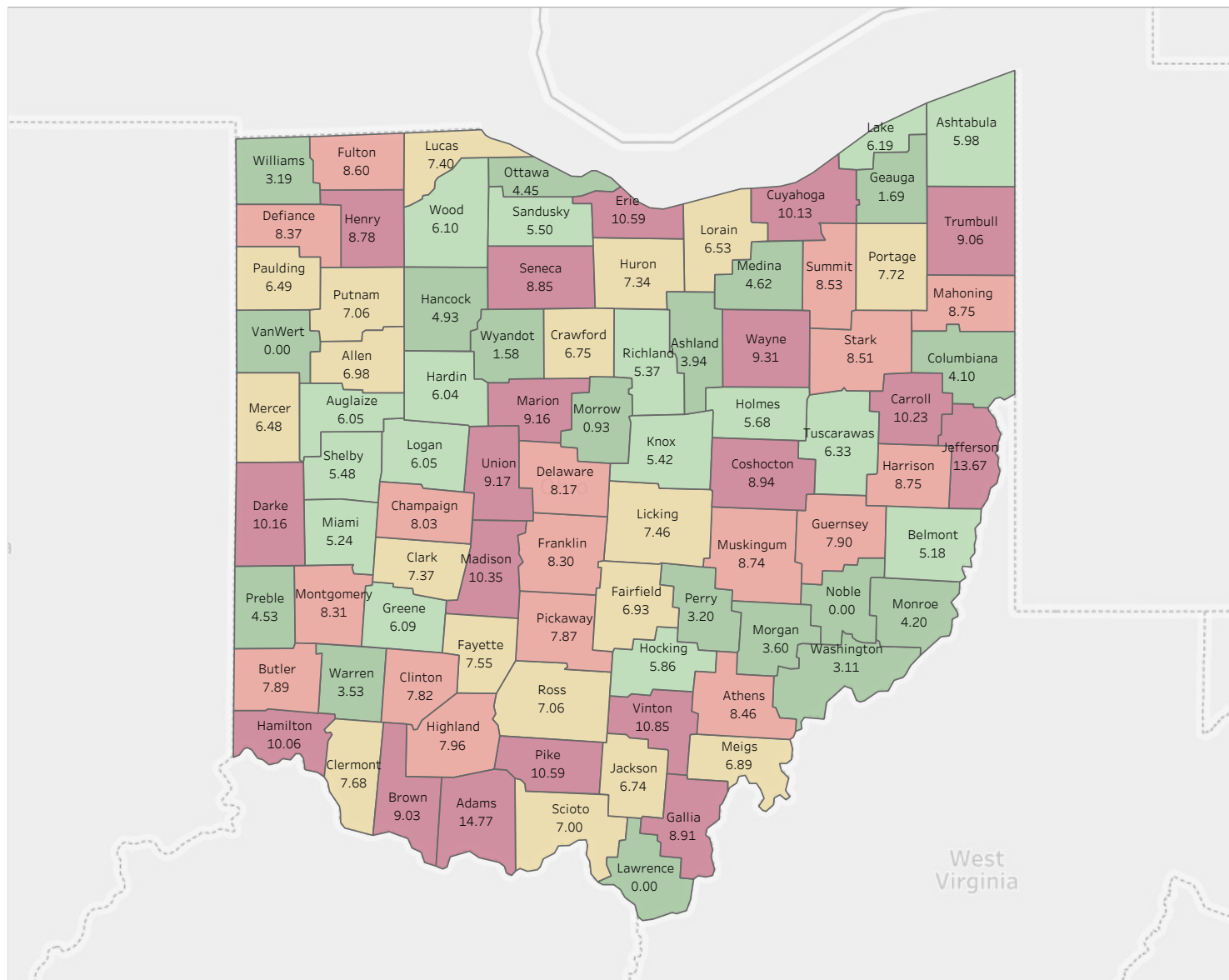




## Franklin County - ODH Infant Mortality Rate OEI Quintiles | CY 2012-2017 Yearly Comparison



## Statewide - ODH Infant Mortality Rate Overall Quintiles by County | CY 2012 - 2017



### Map Measure Ranges

- $\geq 0 < 5.057$
- $\geq 5.057 < 6.405$
- $\geq 6.405 < 7.768$
- $\geq 7.768 < 8.767$
- $\geq 8.767$

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

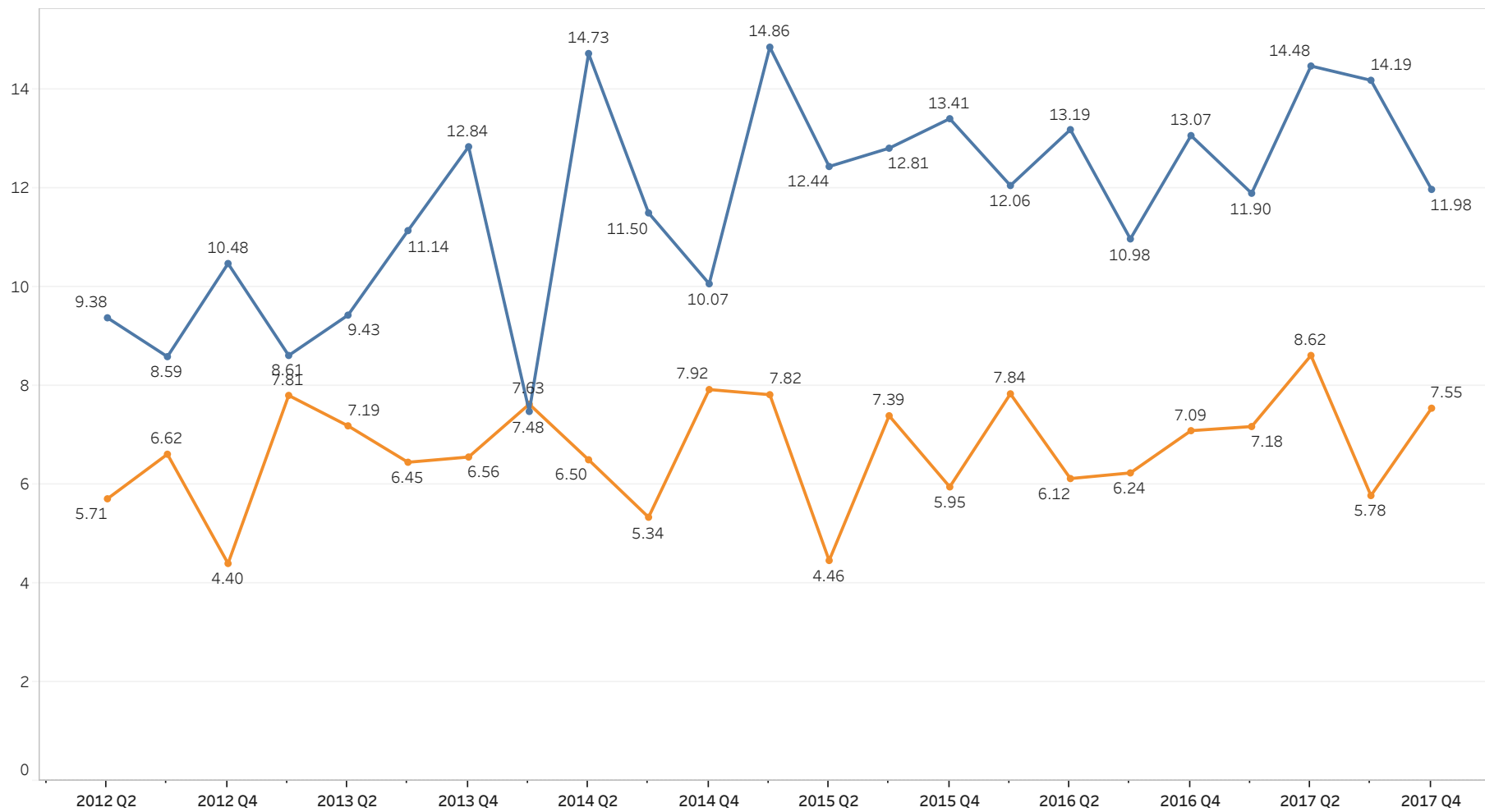


### Quarterly Trends by Race - ODH Infant Mortality Rate All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



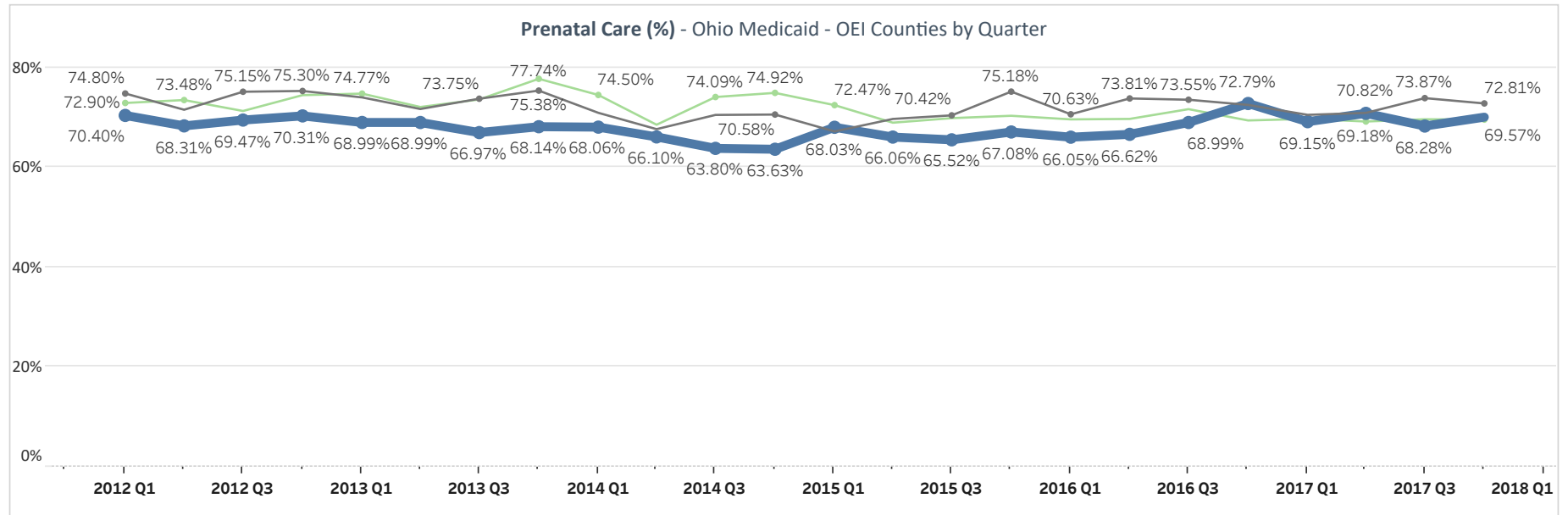
## Prenatal Care (%)

## Franklin, Cuyahoga, Hamilton Counties - Prenatal Care (%)

### Trends by Quarter | CY 2012-2017

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton



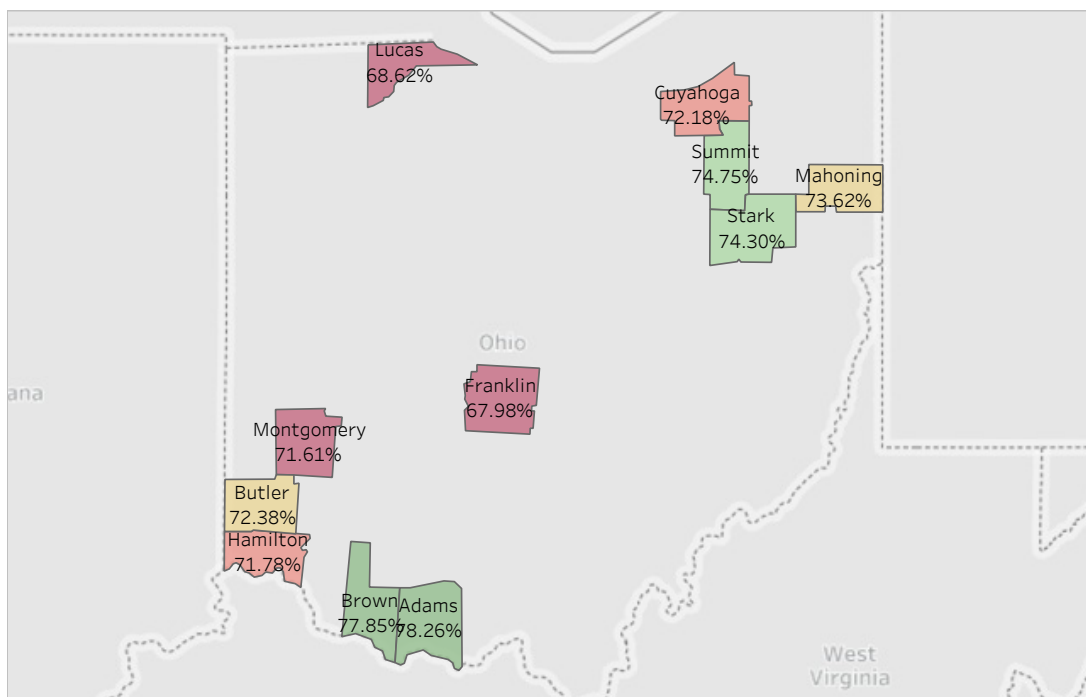
County	Prenatal Aggregate Rate Q1 2012 - Q4 2017	Prenatal Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	72.18%	72.07%	From 5248 to 5311 Women
<b>Franklin</b>	67.98%	69.54%	From 5256 to 5323 Women
Hamilton	71.78%	69.53%	From 3379 to 3430 Women

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.



## Franklin, Cuyahoga, Hamilton Counties - Prenatal Care (%)

### OEI County Quintiles | CY 2012-2017



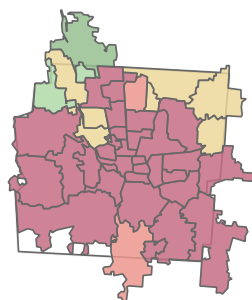
#### Map Measure Ranges

- $\geq 0 < 71.621\%$
- $\geq 71.621\% < 72.192\%$
- $\geq 72.192\% < 74.292\%$
- $\geq 74.292\% < 77.835\%$
- $\geq 77.835\%$

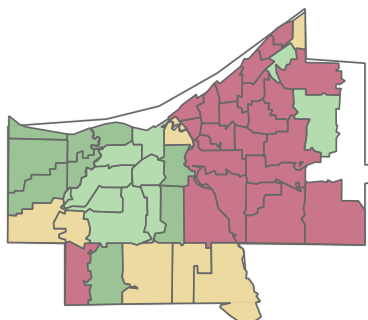
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

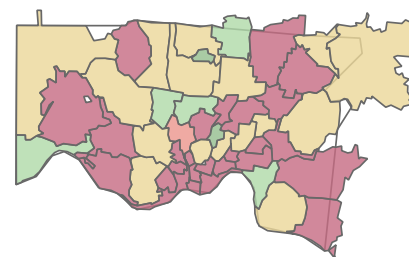
Franklin



Cuyahoga

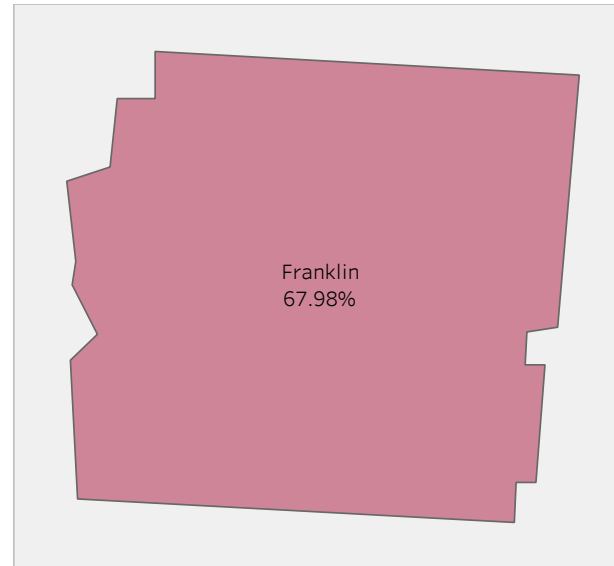
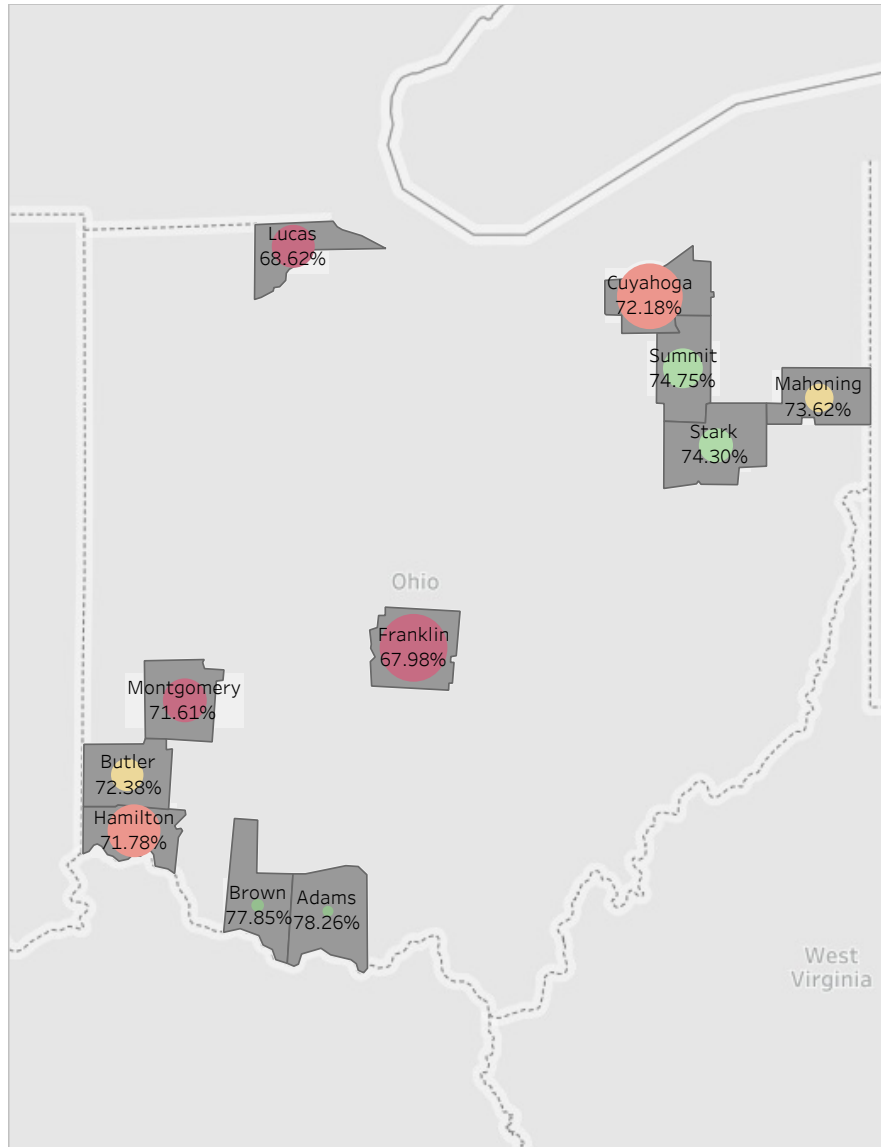


Hamilton



## Franklin County - Prenatal Care (%)

OEI Quintiles | CY 2012-2017

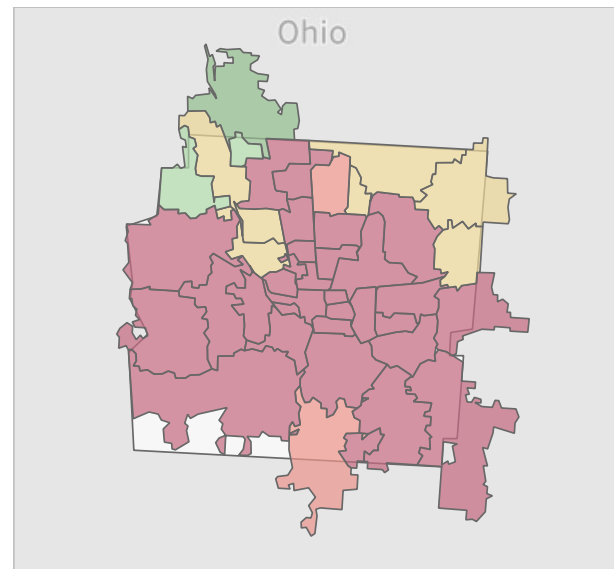


### Map Measure Ranges

- $\geq 0 < 71.621\%$
- $\geq 71.621\% < 72.192\%$
- $\geq 72.192\% < 74.292\%$
- $\geq 74.292\% < 77.835\%$
- $\geq 77.835\%$

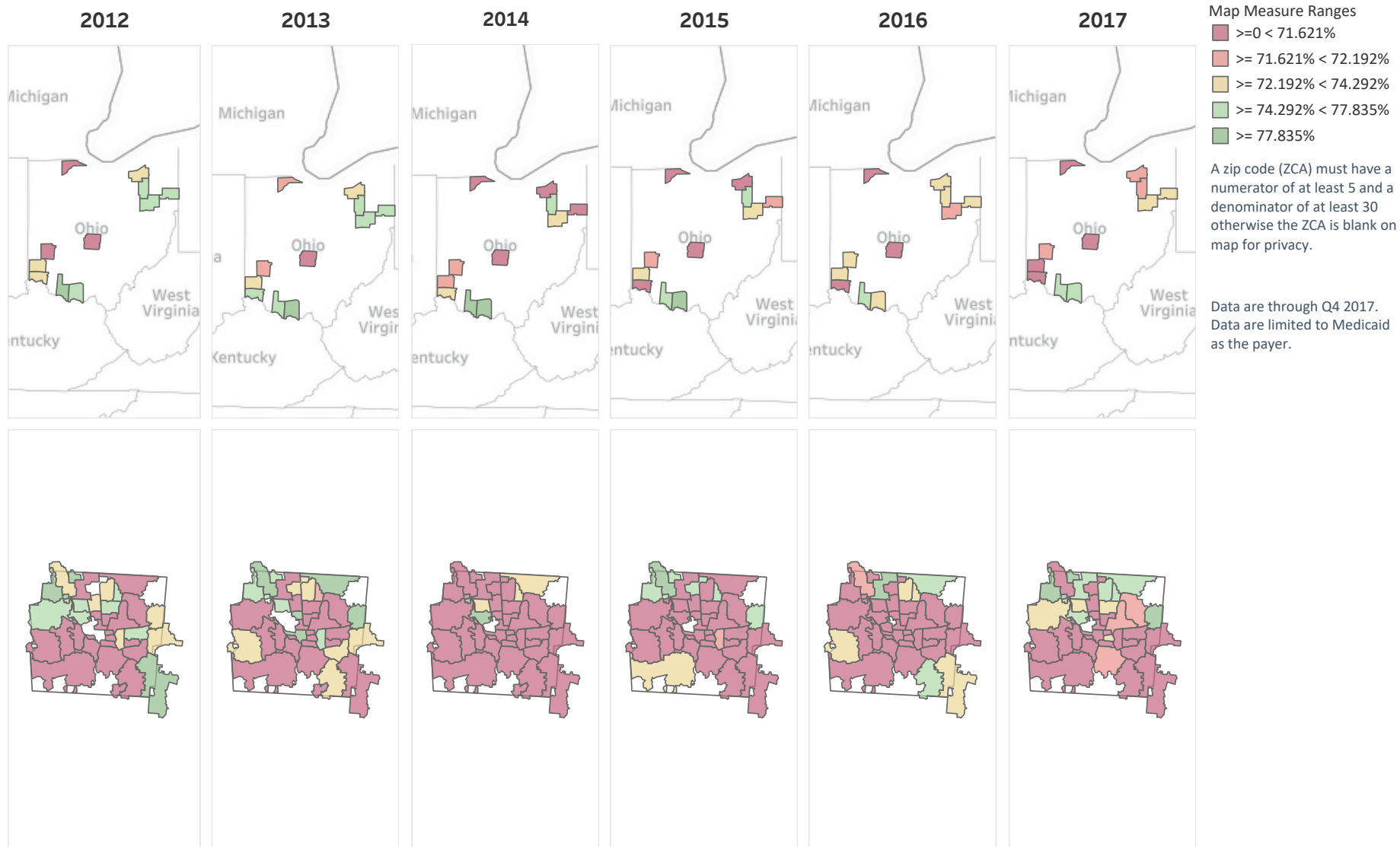
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



## Franklin County - Prenatal Care (%)

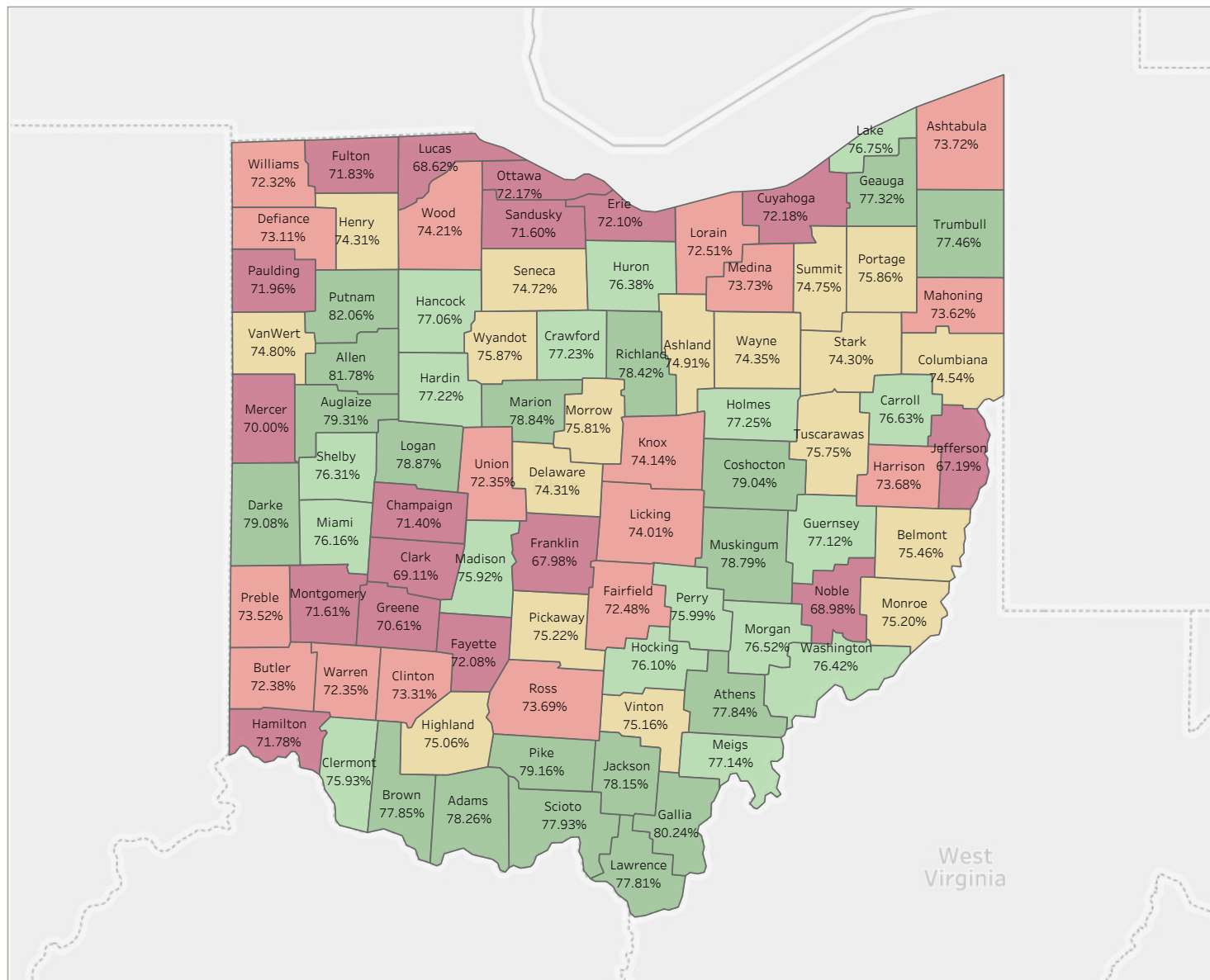
### OEI Quintiles | CY 2012-2017 Yearly Comparison





## Statewide - Prenatal Care (%)

### Overall Quintiles by County | CY 2012 - 2017



#### Map Measure Ranges

- >=0 < 72.251%
- >= 72.251% < 74.255%
- >= 74.255% < 75.899%
- >= 75.899% < 77.284%
- >= 77.284%

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

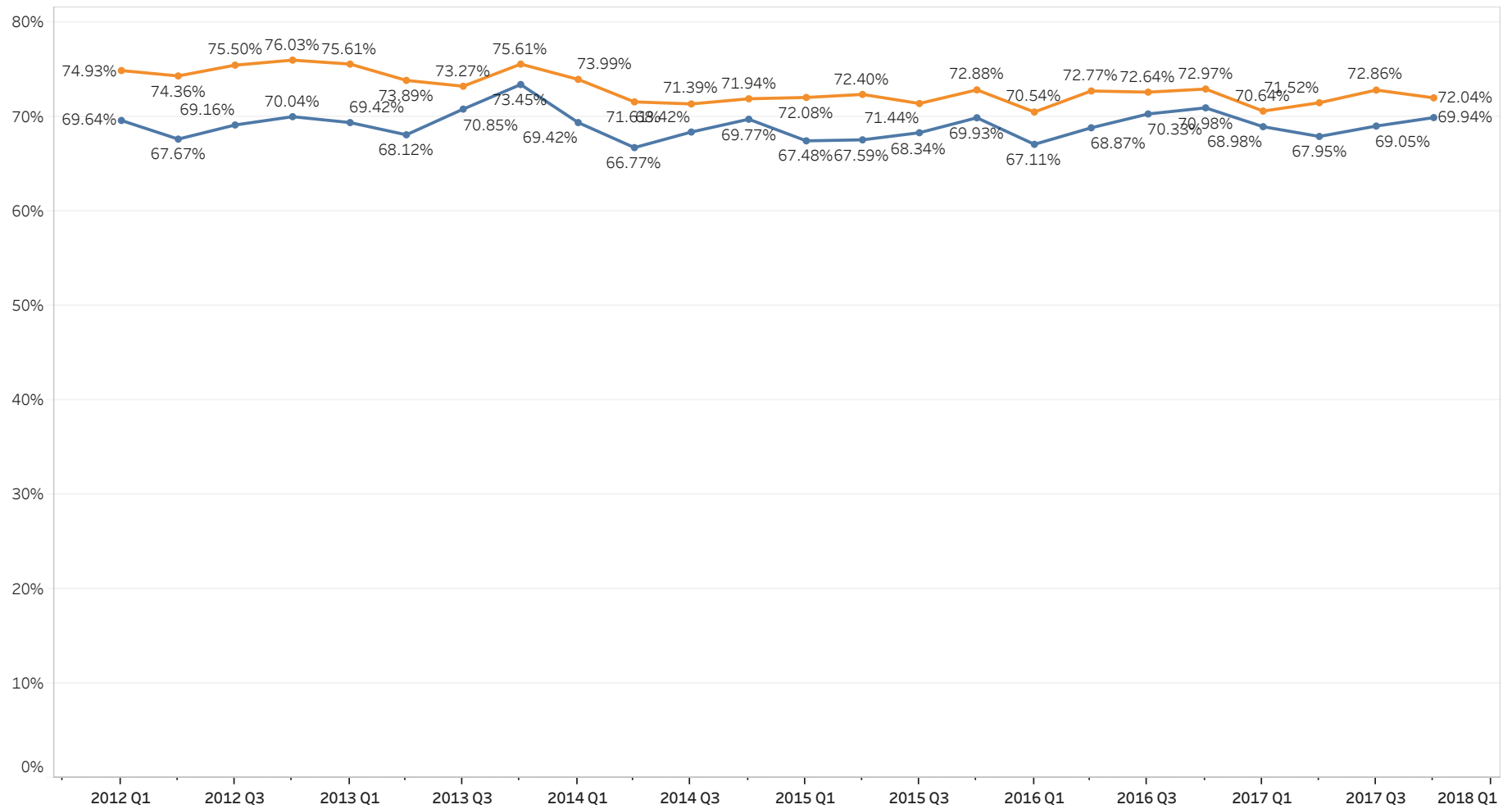


### Quarterly Trends by Race - Prenatal Care (%) All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Prenatal Care (%) All OEI Counties | CY 2012-2017

Medicaid Plan  
All Plans

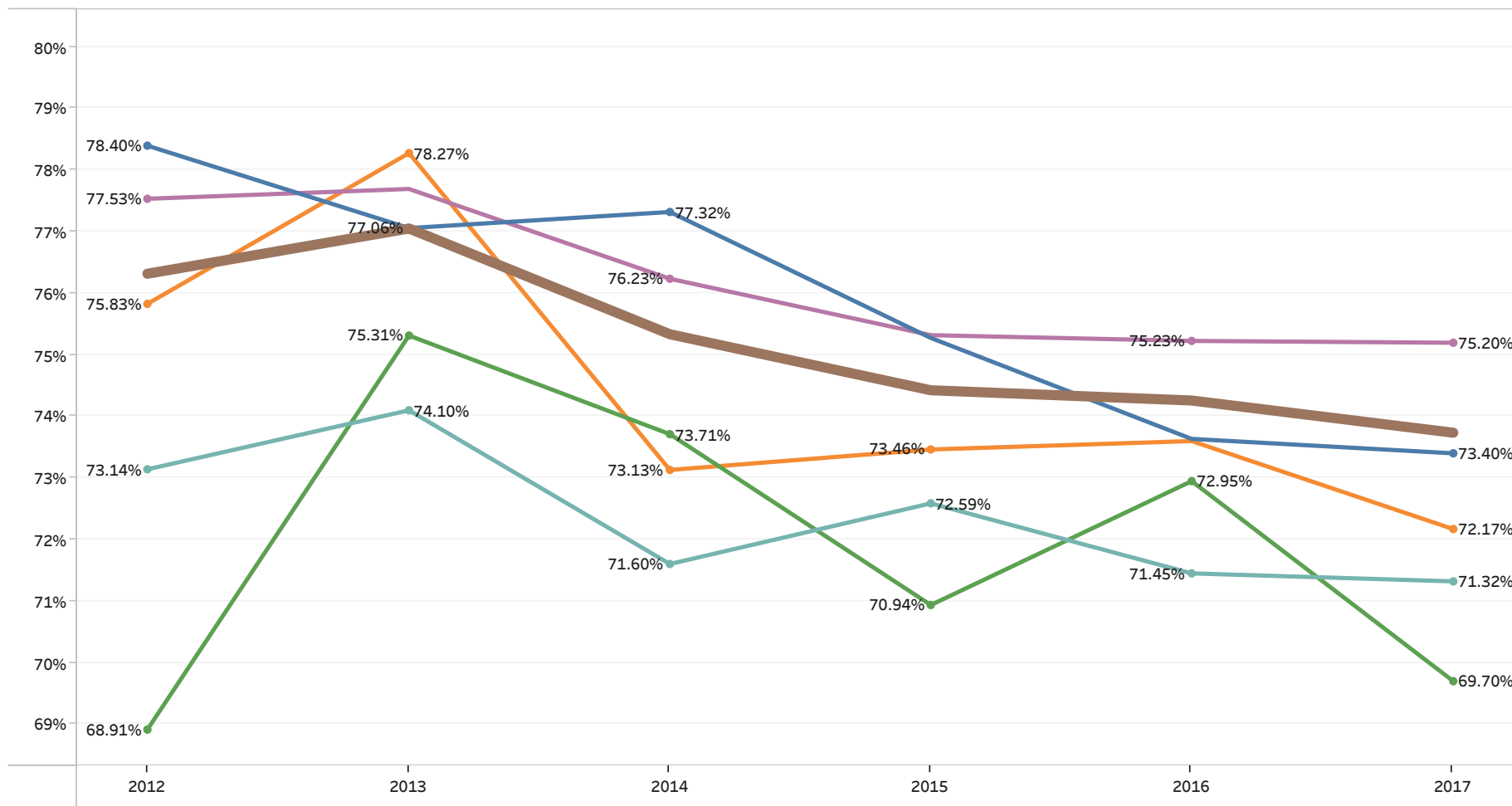
Buckeye

CareSource

Molina

Paramount

United



Data are through Q4 2017.

Data are limited to Medicaid as the payer.



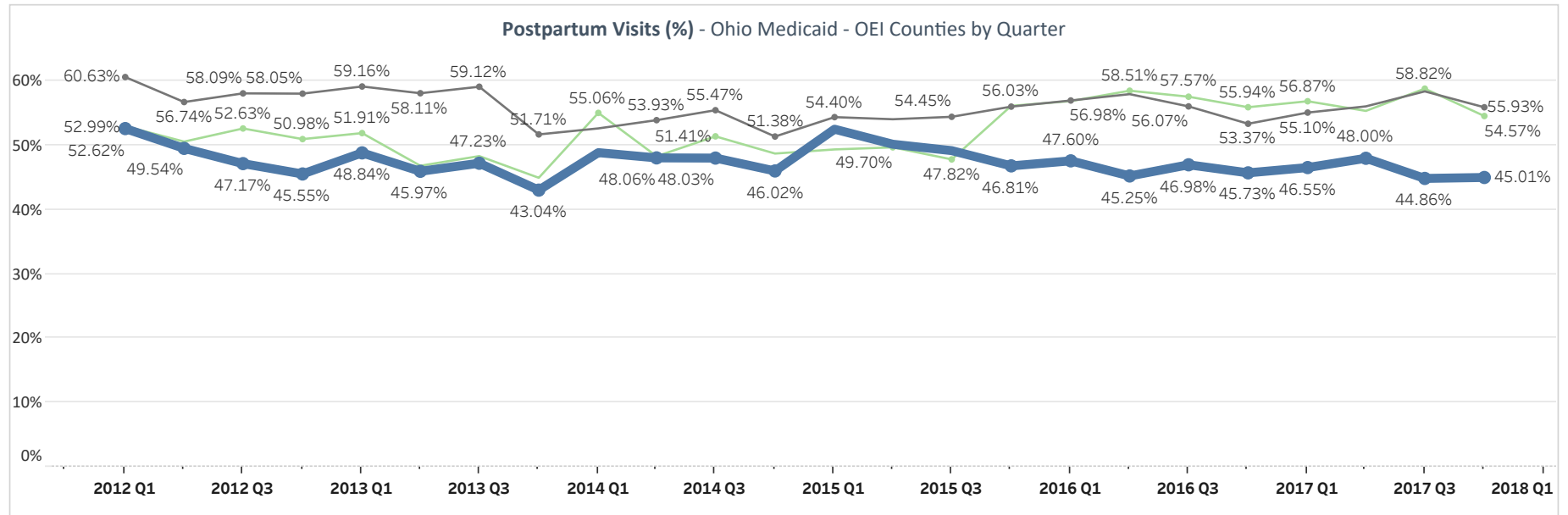
## Postpartum Visits (%)

## Franklin, Cuyahoga, Hamilton Counties - Postpartum Visits (%)

### Trends by Quarter | CY 2012-2017

#### Counties

■ Cuyahoga
 ■ Franklin
 ■ Hamilton

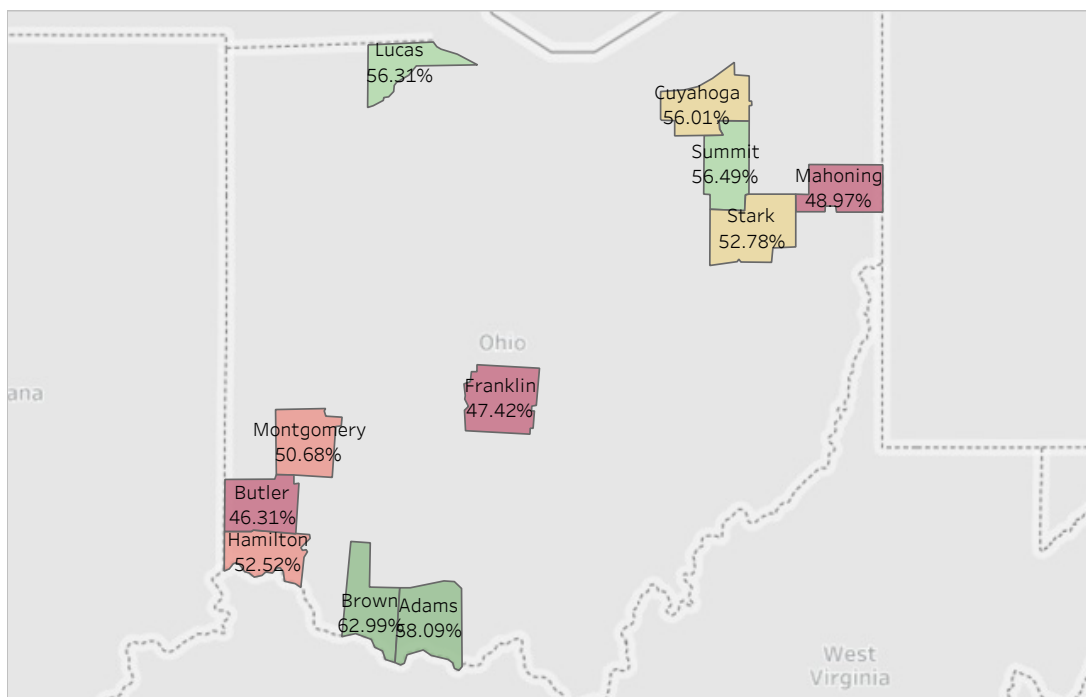


County	Postpartum Aggregate Rate Q1 2012 - Q4 2017	Postpartum Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	56.01%	56.41%	From 4072 to 4141 Women
<b>Franklin</b>	47.42%	46.04%	From 3666 to 3739 Women
Hamilton	52.52%	56.45%	From 2473 to 2529 Women

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - Postpartum Visits (%)

### OEI County Quintiles | CY 2012-2017



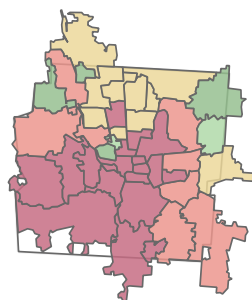
#### Map Measure Ranges

- $\geq 0 < 48.984\%$
- $\geq 48.984\% < 52.531\%$
- $\geq 52.531\% < 56.298\%$
- $\geq 56.298\% < 58.081\%$
- $\geq 58.081\%$

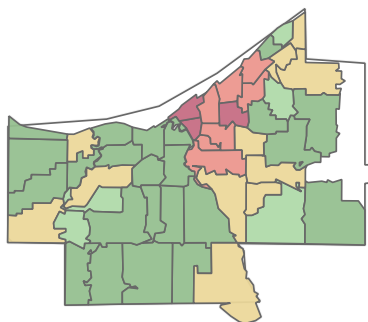
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

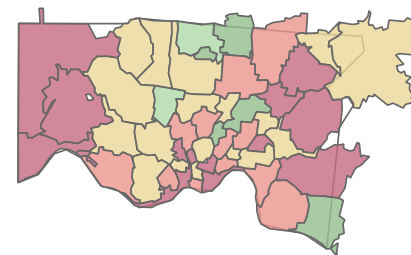
Franklin



Cuyahoga

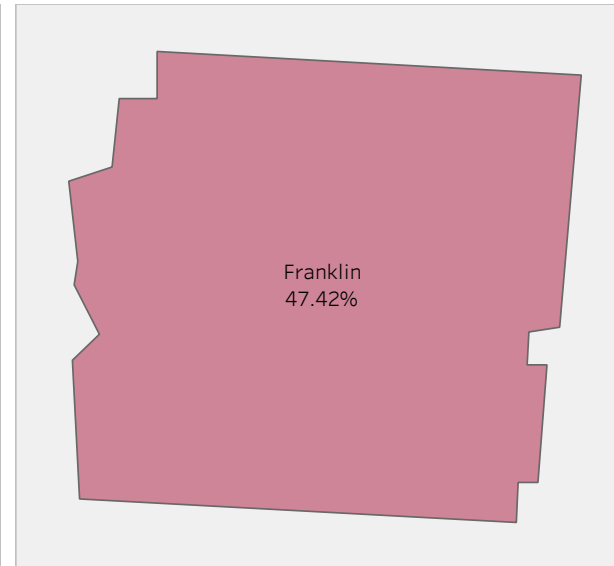
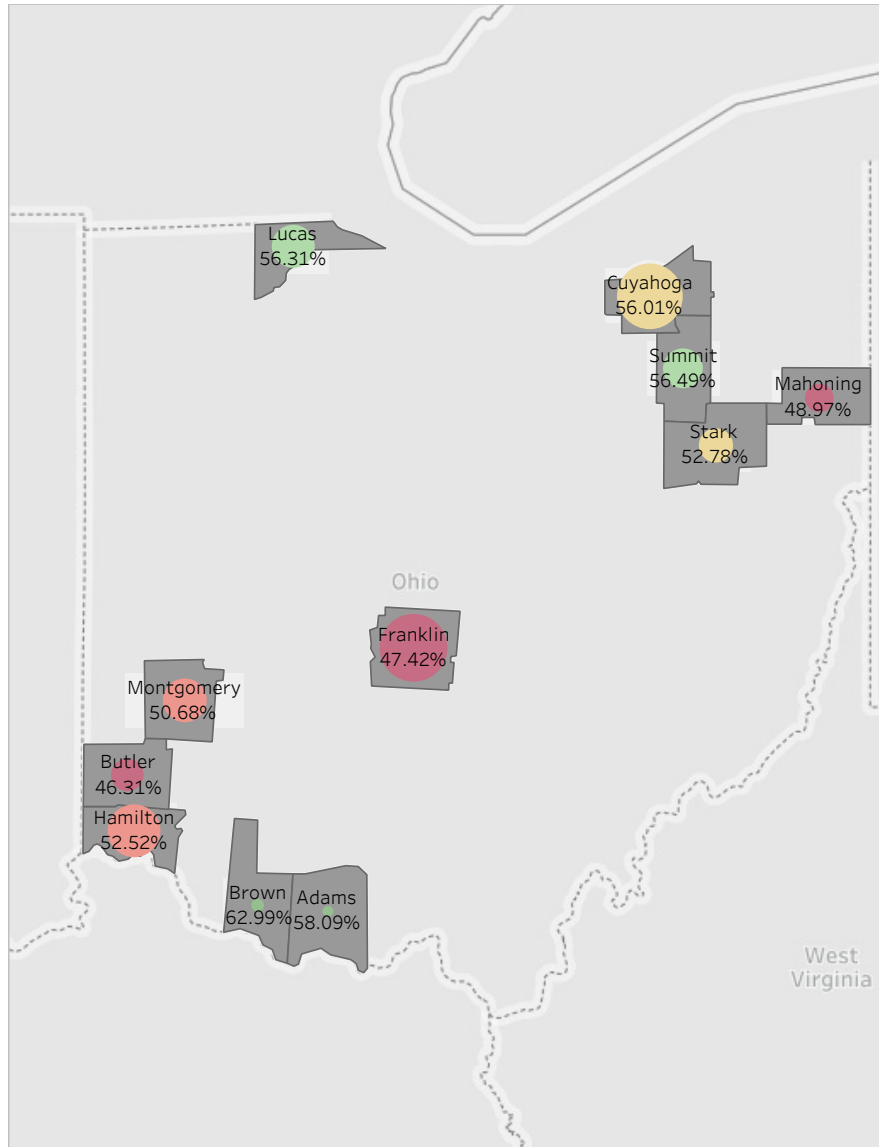


Hamilton



## Franklin County - Postpartum Visits (%)

OEI Quintiles | CY 2012-2017

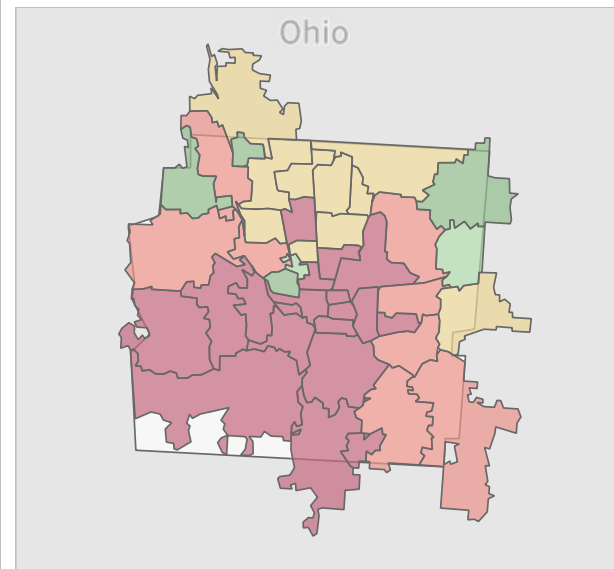


### Map Measure Ranges

- $\geq 0 < 48.984\%$
- $\geq 48.984\% < 52.531\%$
- $\geq 52.531\% < 56.298\%$
- $\geq 56.298\% < 58.081\%$
- $\geq 58.081\%$

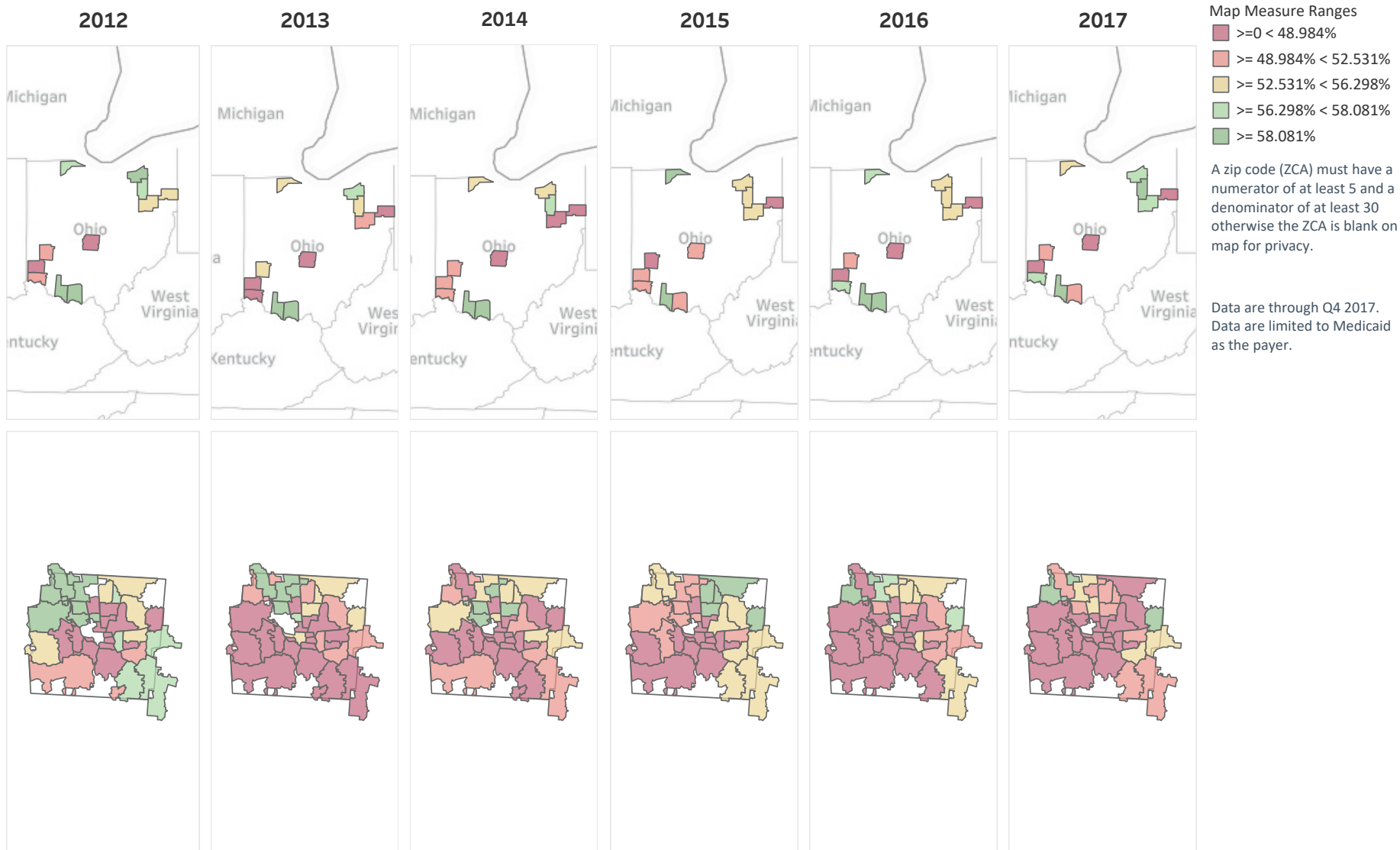
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



## Franklin County - Postpartum Visits (%)

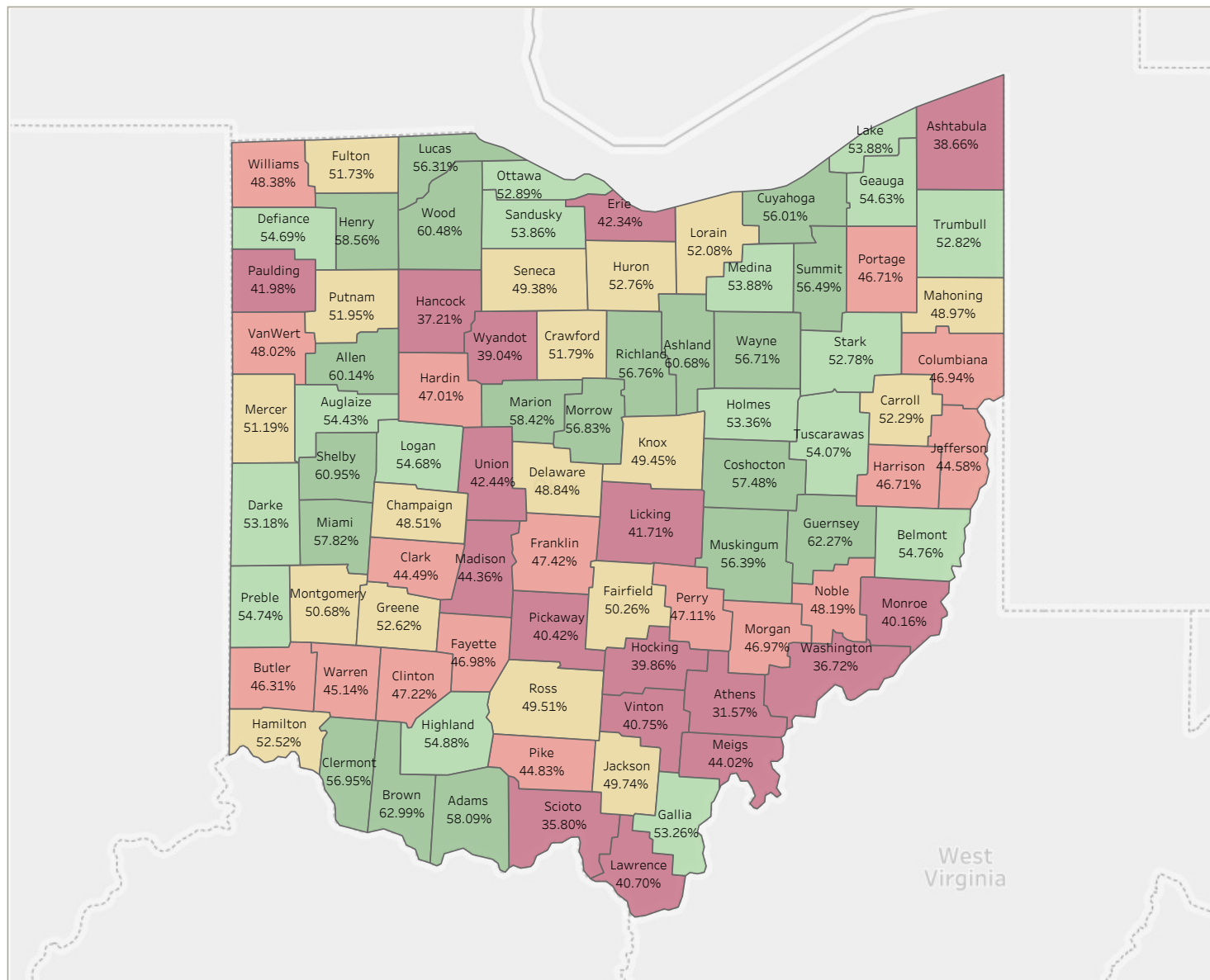
### OEI Quintiles | CY 2012-2017 Yearly Comparison





## Statewide - Postpartum Visits (%)

### Overall Quintiles by County | CY 2012 - 2017





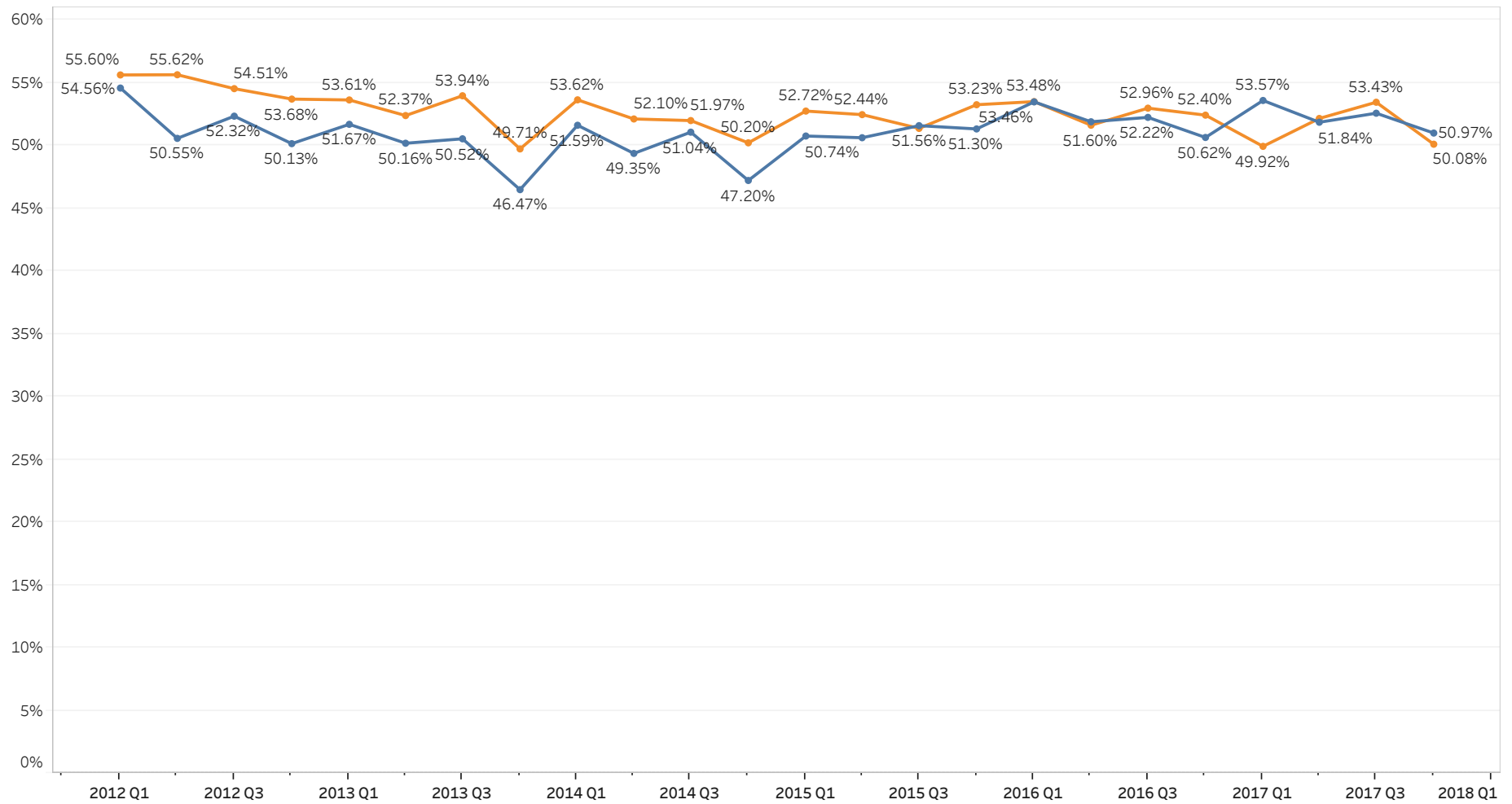
## Quarterly Trends by Race - Postpartum Visits (%)

All OEI Counties | CY 2012-2017

Race

African American

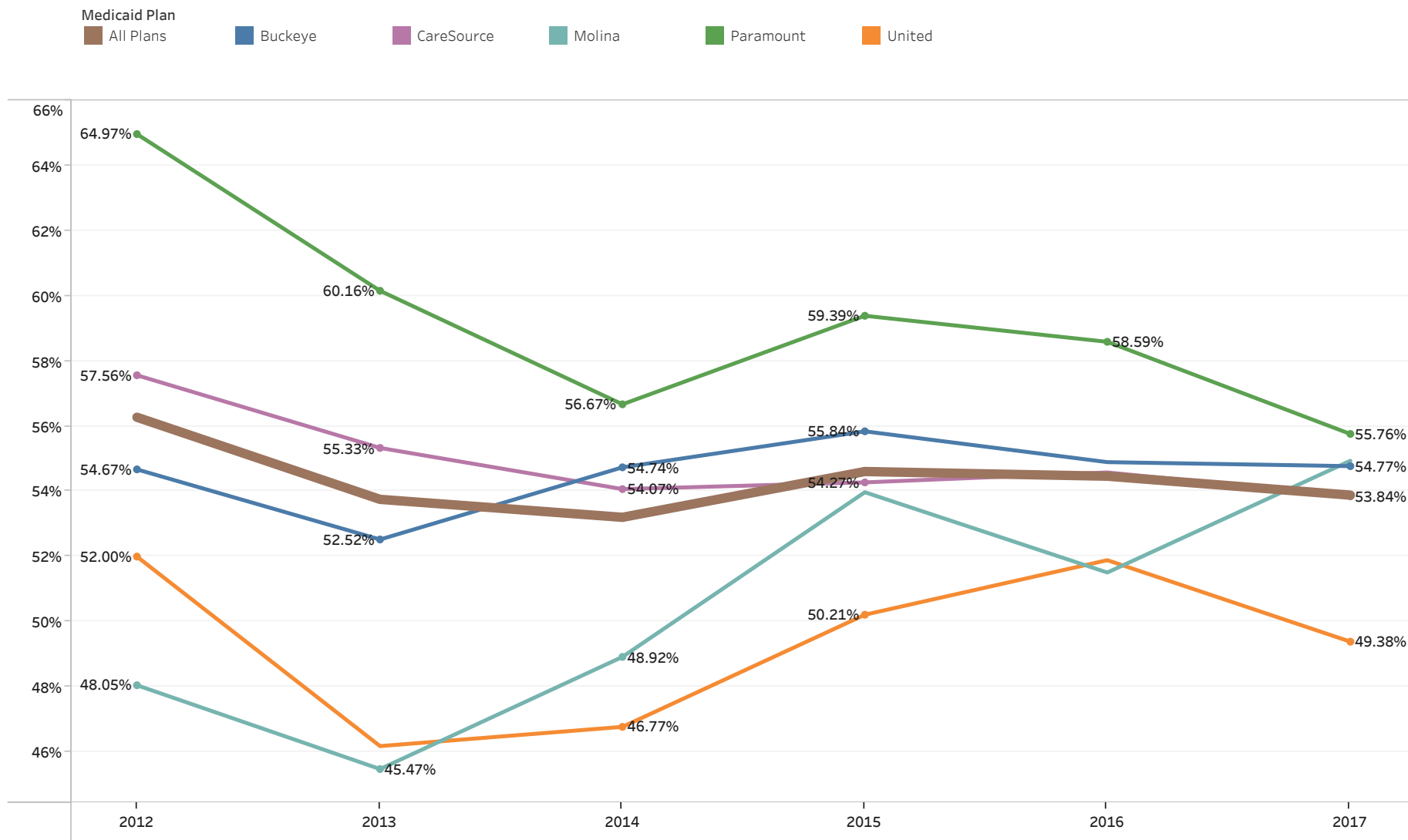
Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Postpartum Visits (%) All OEI Counties | CY 2012-2017



Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



## Progesterone Use in High Risk Women (%)



## Franklin, Cuyahoga, Hamilton Counties - Progesterone Use in High Risk Women (%)

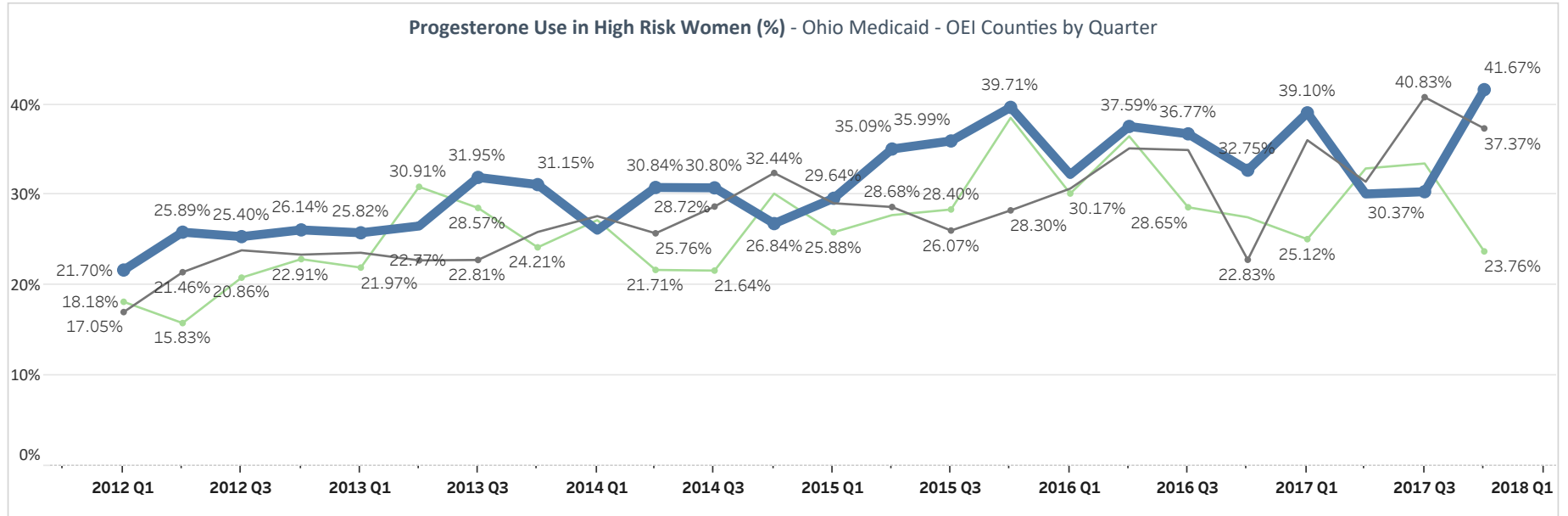
### Trends by Quarter | CY 2012-2017

#### Counties

■ Cuyahoga

■ Franklin

■ Hamilton

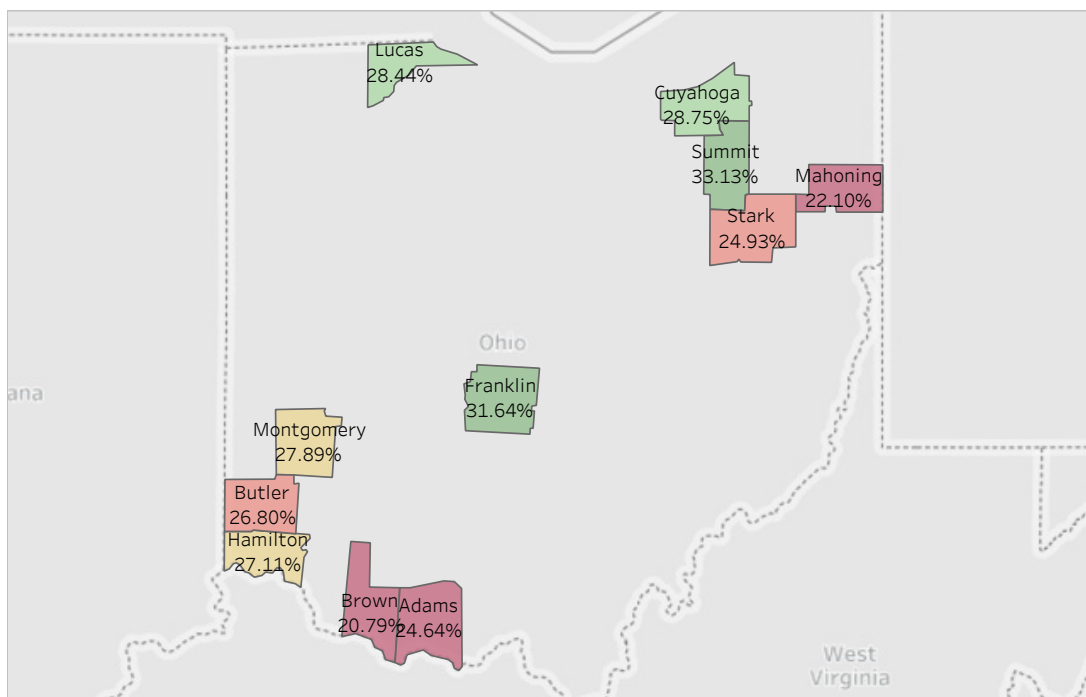


County	Progesterone Aggregate Rate Q1 2012 - Q4 2017	Progesterone Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	28.75%	36.62%	From 294 to 318 Women
Franklin	31.64%	35.15%	From 328 to 352 Women
Hamilton	27.11%	28.64%	From 192 to 211 Women

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2012 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2012 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Franklin, Cuyahoga, Hamilton Counties - Progesterone Use in High Risk Women (%)

### OEI County Quintiles | CY 2012-2017



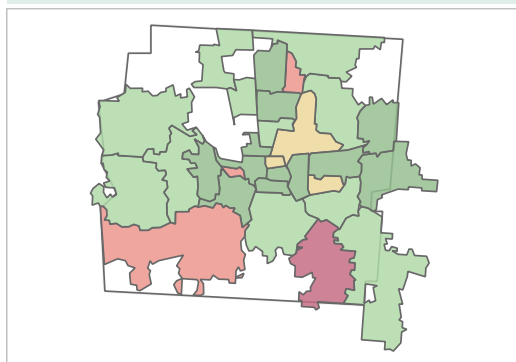
#### Map Measure Ranges

- $\geq 0 < 24.648\%$
- $\geq 24.648\% < 26.814\%$
- $\geq 26.814\% < 28.435\%$
- $\geq 28.435\% < 31.629\%$
- $\geq 31.629\%$

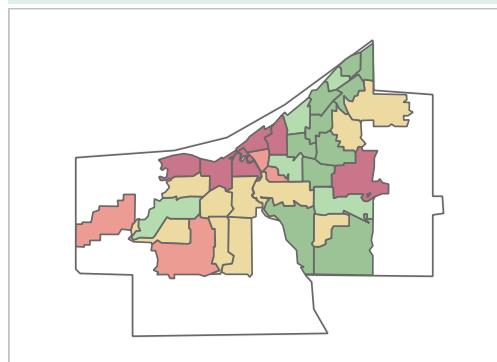
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

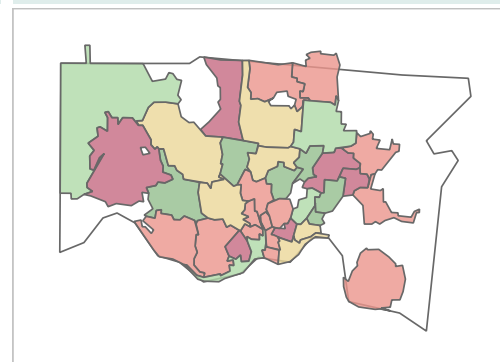
Franklin



Cuyahoga

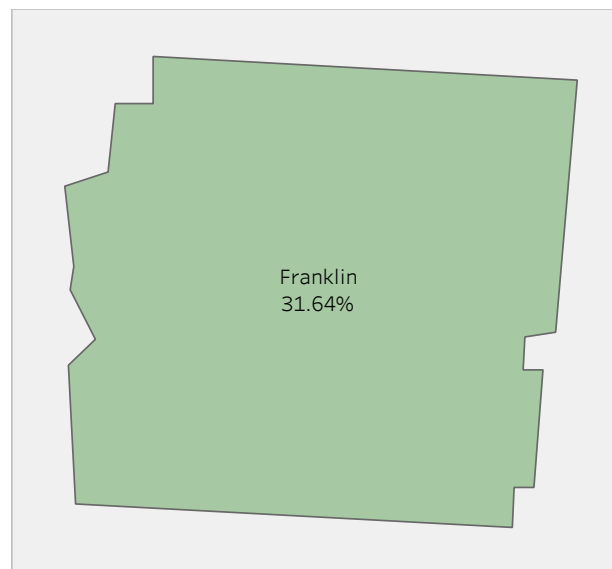
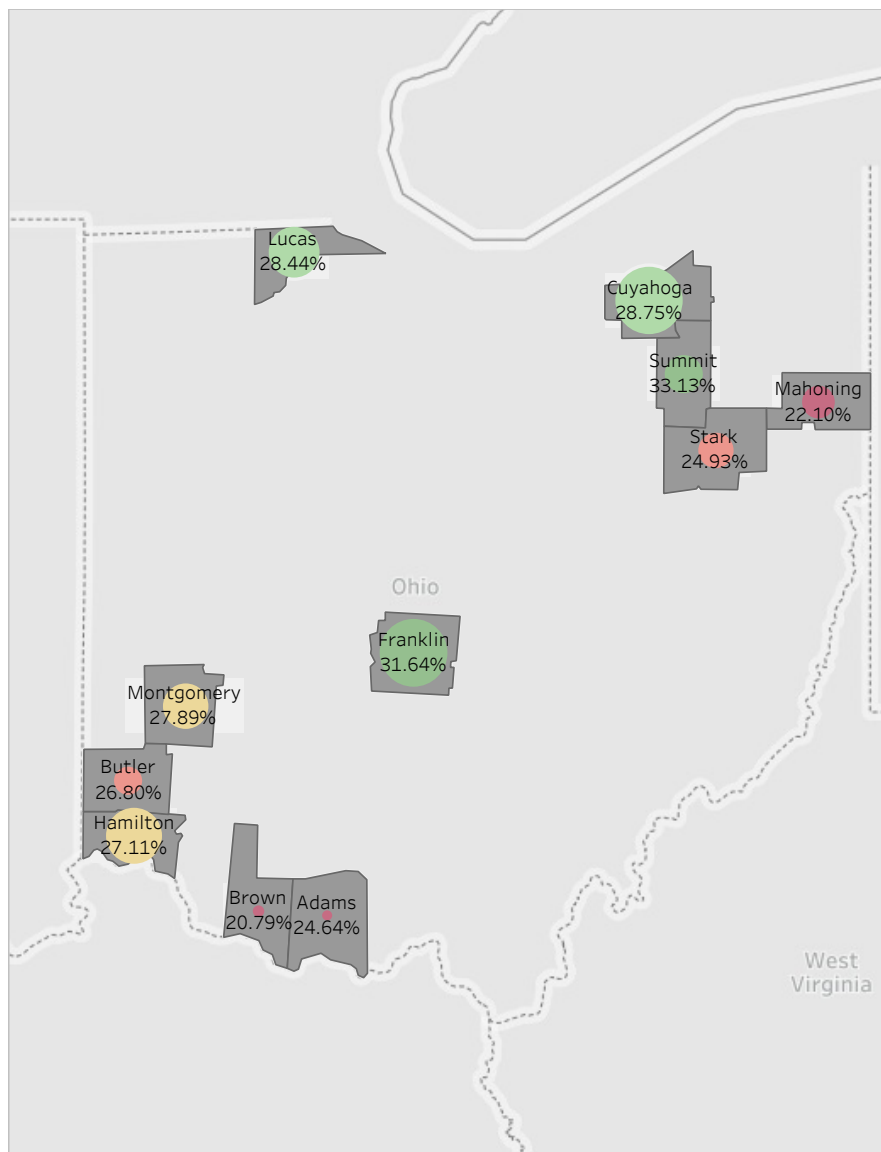


Hamilton



## Franklin County - Progesterone Use in High Risk Women (%)

### OEI Quintiles | CY 2012-2017

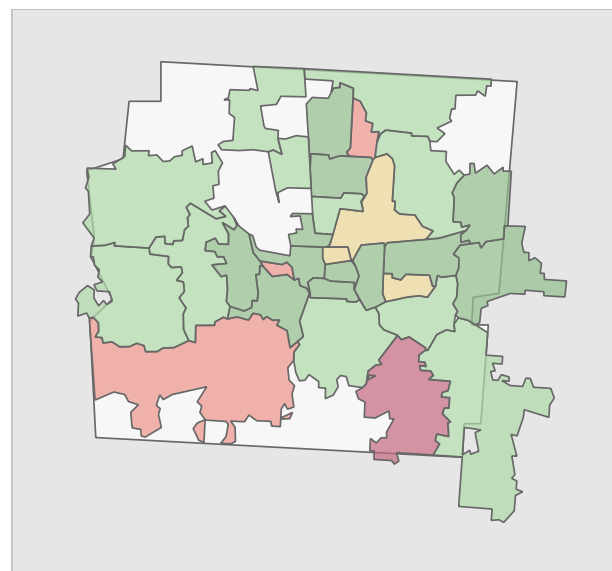


#### Map Measure Ranges

- $\geq 0 < 24.648\%$
- $\geq 24.648\% < 26.814\%$
- $\geq 26.814\% < 28.435\%$
- $\geq 28.435\% < 31.629\%$
- $\geq 31.629\%$

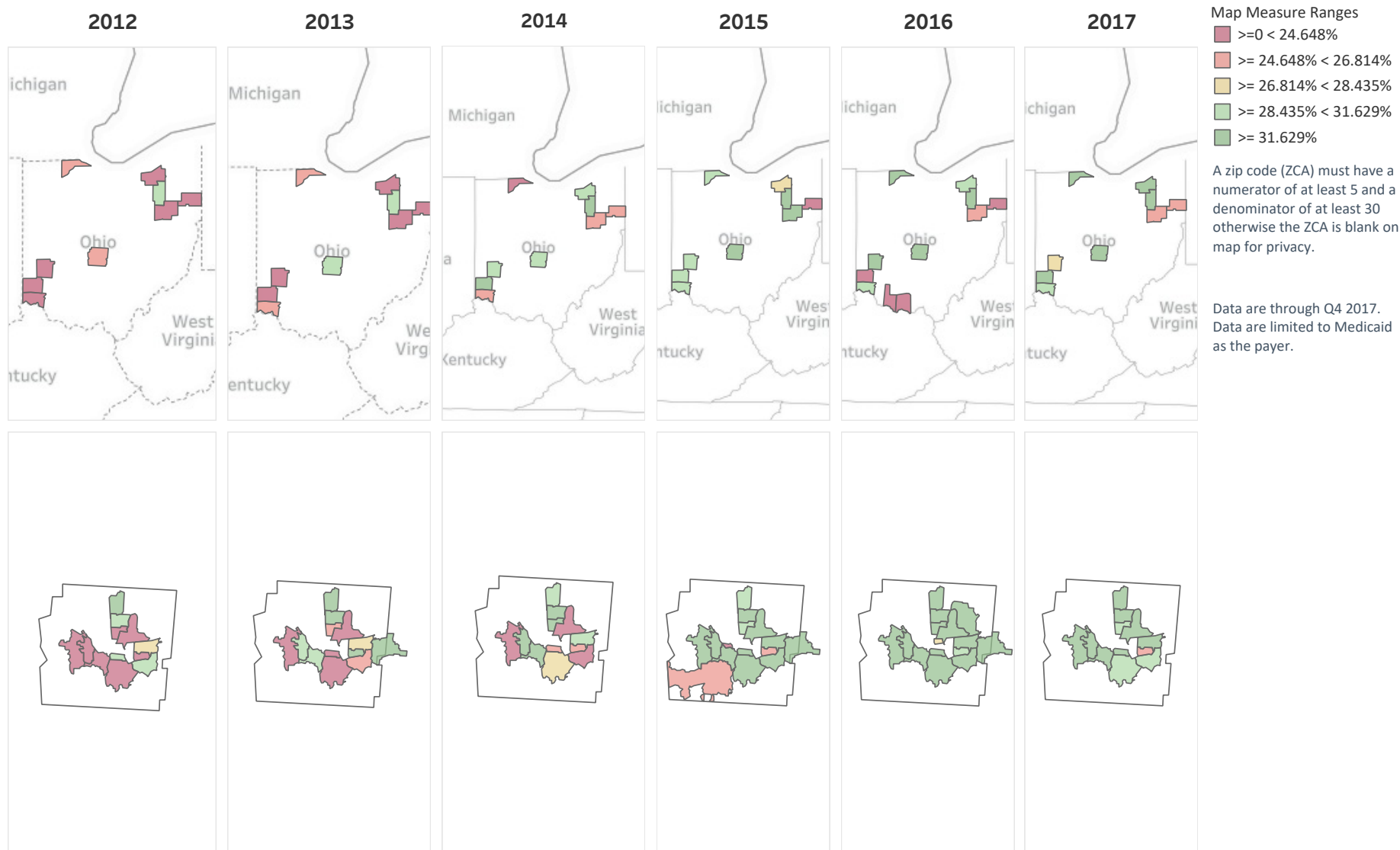
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



## Franklin County - Progesterone Use in High Risk Women (%)

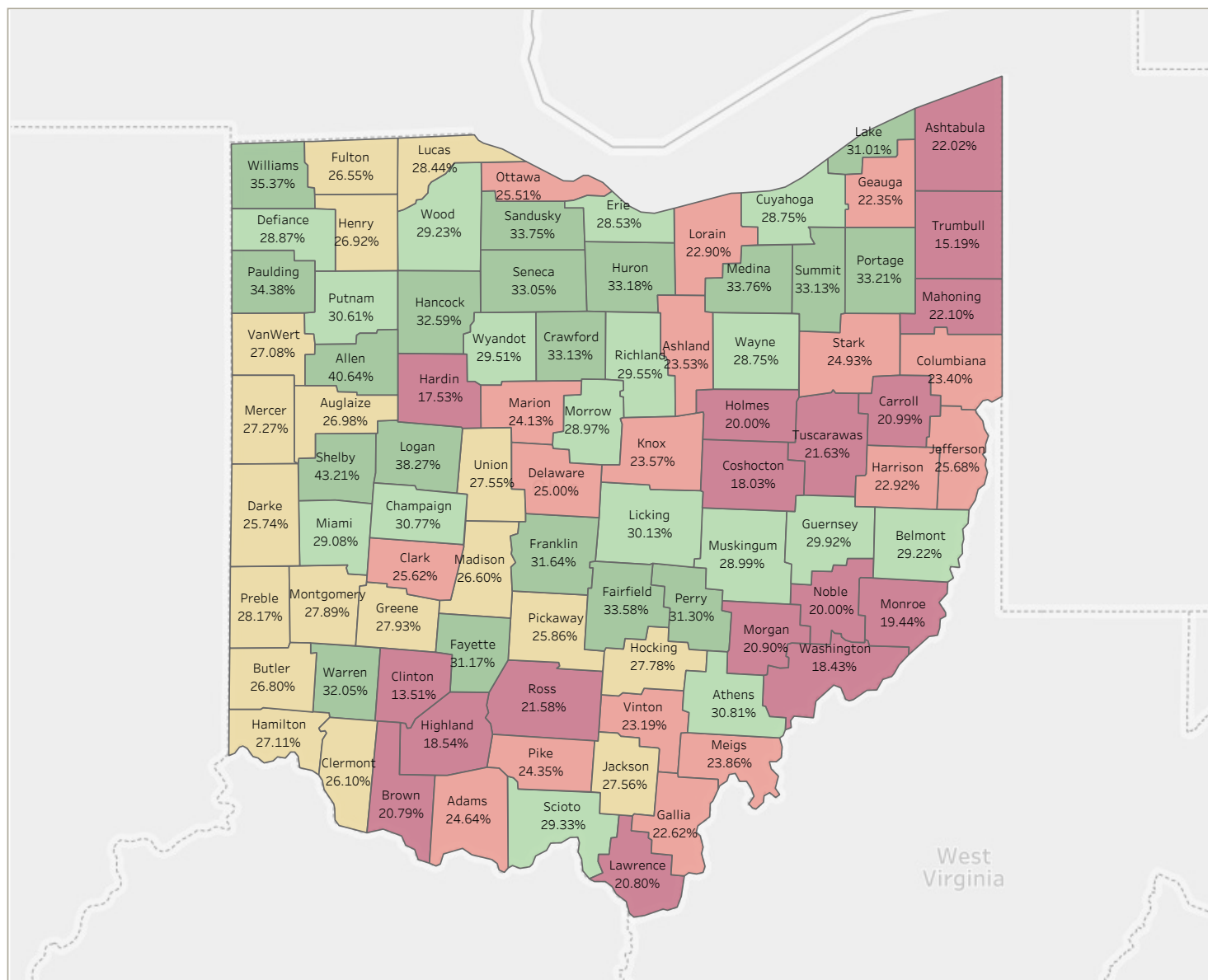
### OEI Quintiles | CY 2012-2017 Yearly Comparison





## Statewide - Progesterone Use in High Risk Women (%)

### Overall Quintiles by County | CY 2012 - 2017



#### Map Measure Ranges

- $\geq 0 < 22.226\%$
- $\geq 22.226\% < 25.705\%$
- $\geq 25.705\% < 28.486\%$
- $\geq 28.486\% < 30.909\%$
- $\geq 30.909\%$

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



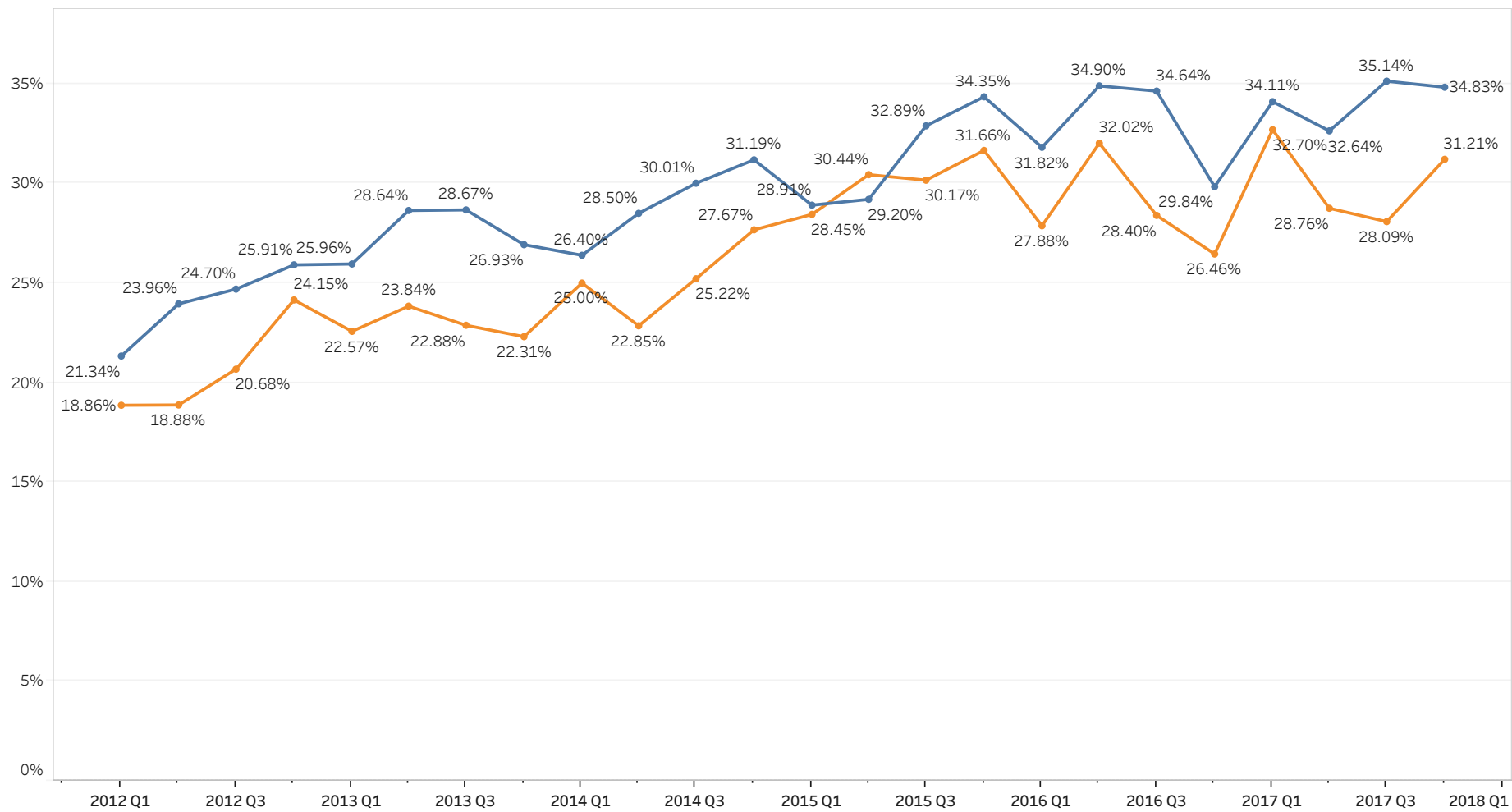
## Quarterly Trends by Race - Progesterone Use in High Risk Women (%)

All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Progesterone Use in High Risk Women (%) All OEI Counties | CY 2012-2017

Medicaid Plan  
All Plans

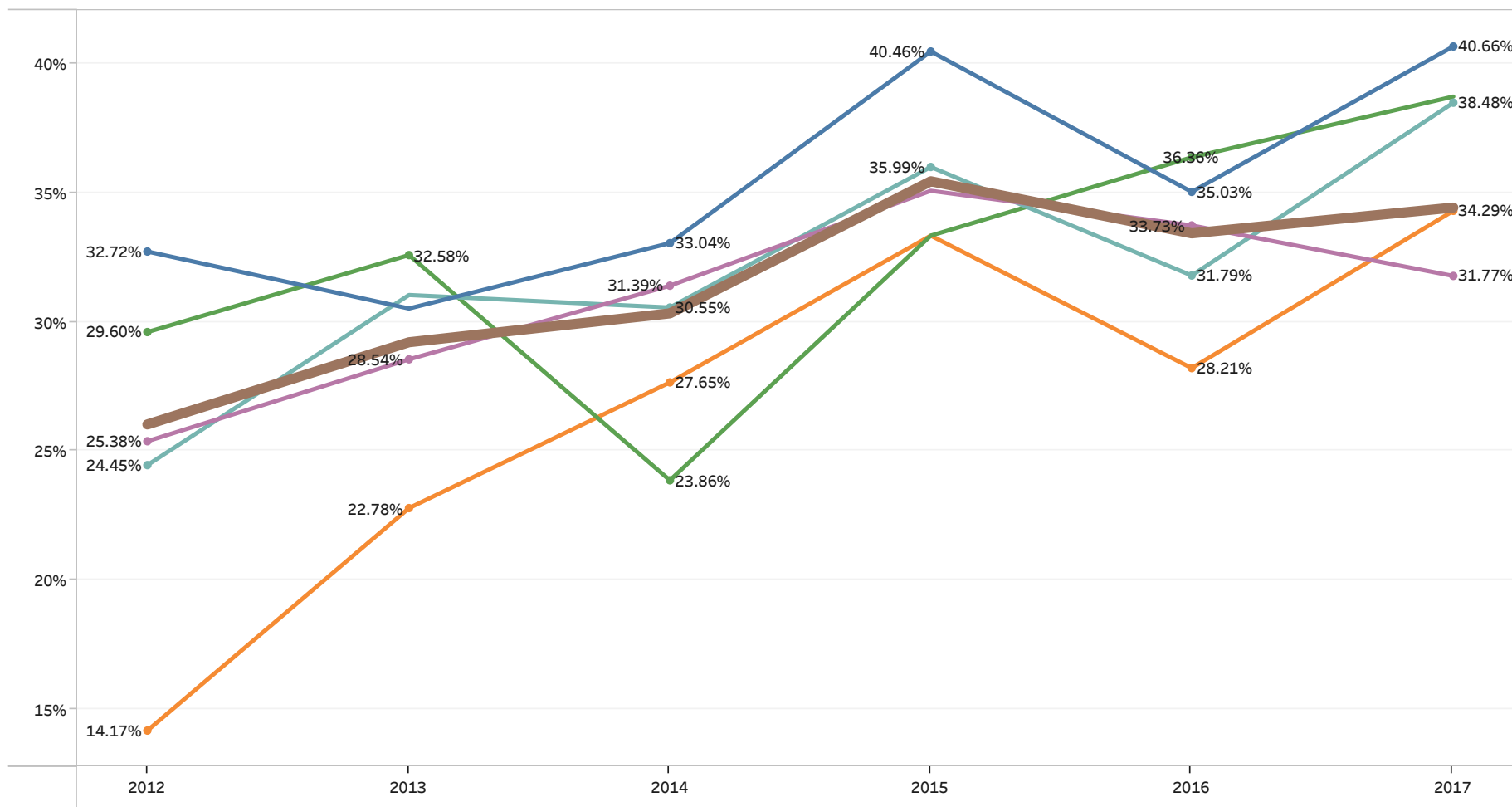
Buckeye

CareSource

Molina

Paramount

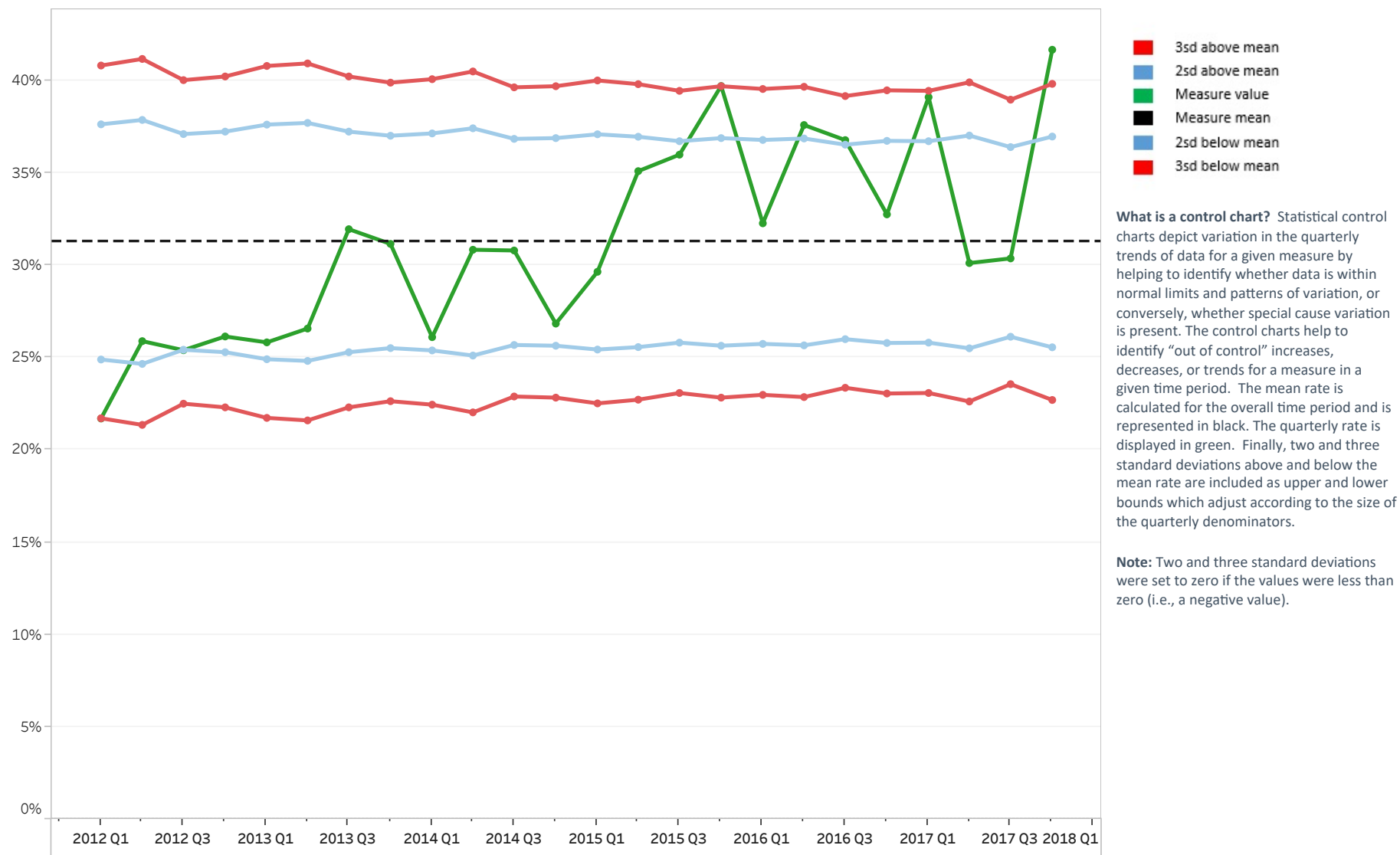
United



Data are through Q4 2017.

Data are limited to Medicaid as the payer.

## Franklin County Quarterly Control Chart - Progesterone Use in High Risk Women (%) CY 2012-2017



Data are limited to Medicaid as the payer.



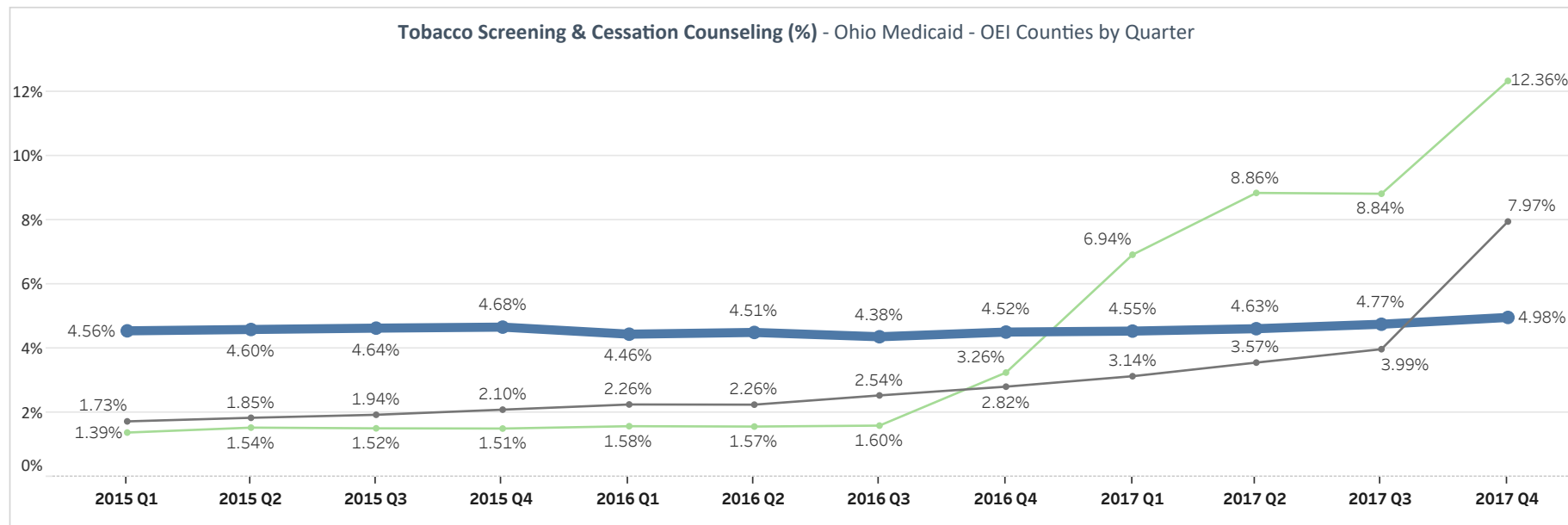
## Tobacco Screening & Cessation Counseling (%)

## Franklin, Cuyahoga, Hamilton Counties - Tobacco Screening & Cessation Counseling (%)

### Trends by Quarter | CY 2015-2017

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton



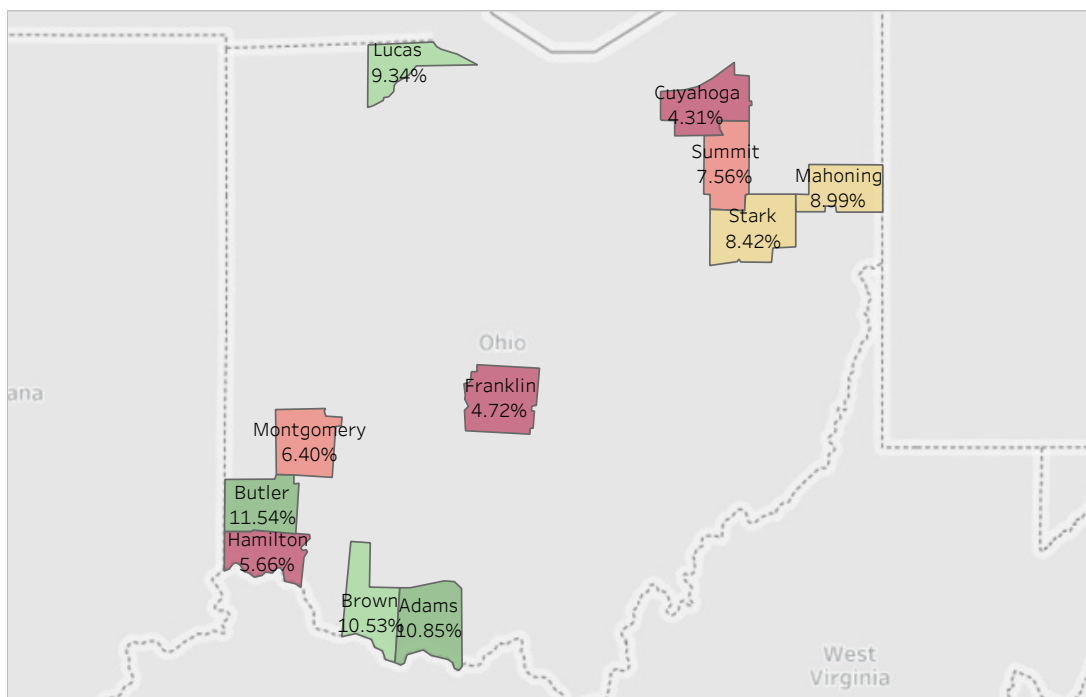
County	Tobacco Screening & Cessation Counseling Aggregate Rate Q1 2015 - Q4 2017	Tobacco Screening & Cessation Counseling Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	4.31%	7.97%	From 2886 to 2973 Women
<b>Franklin</b>	4.72%	4.98%	From 2657 to 2740 Women
Hamilton	5.66%	12.36%	From 2250 to 2326 Women

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2015 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2015 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

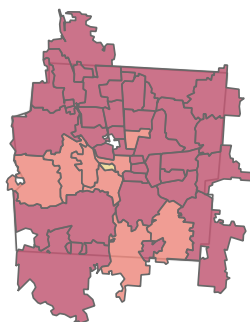


## Franklin, Cuyahoga, Hamilton Counties - Tobacco Screening & Cessation Counseling (%)

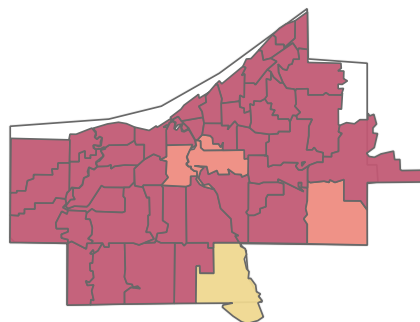
### OEI County Quintiles | CY 2015-2017



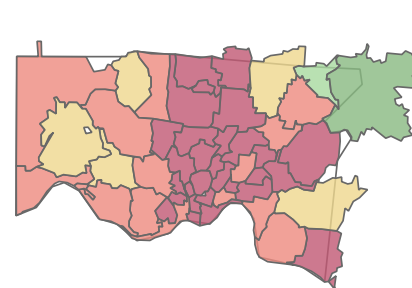
Franklin



Cuyahoga

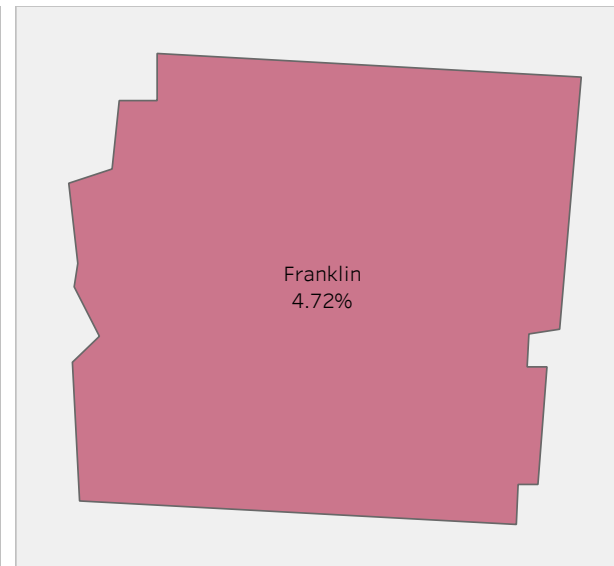
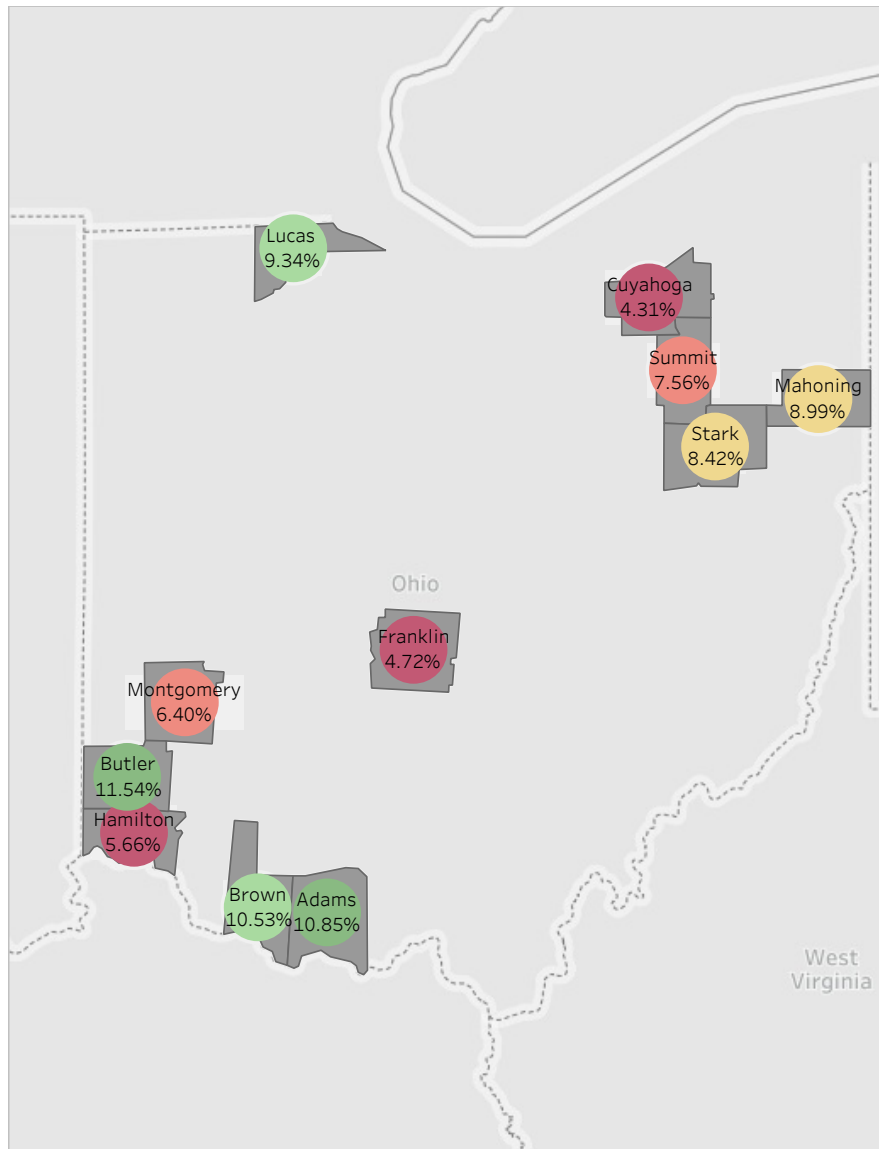


Hamilton



## Franklin County - Tobacco Screening & Cessation Counseling (%)

### OEI Quintiles | CY 2015-2017

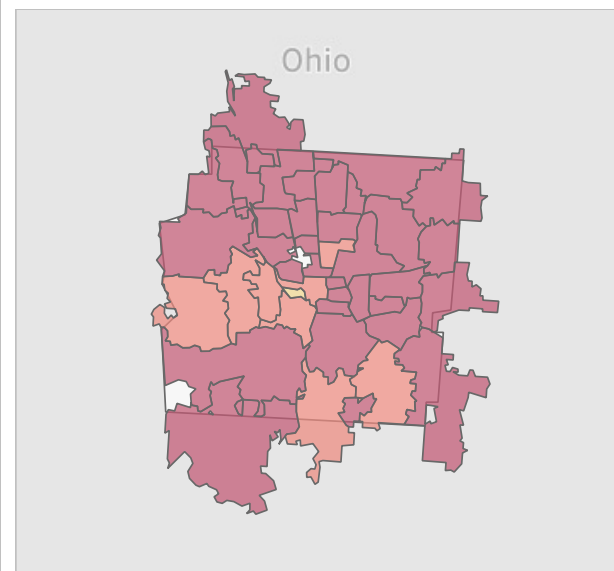


#### Map Measure Ranges

- $\geq 0 < 5.665\%$
- $\geq 5.665\% < 7.570\%$
- $\geq 7.570\% < 9.325\%$
- $\geq 9.325\% < 10.839\%$
- $\geq 10.839\%$

A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

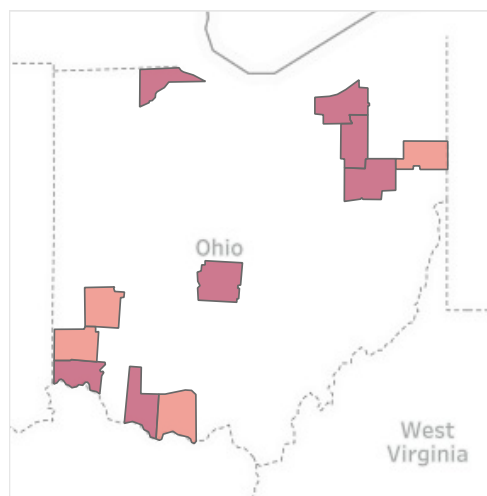




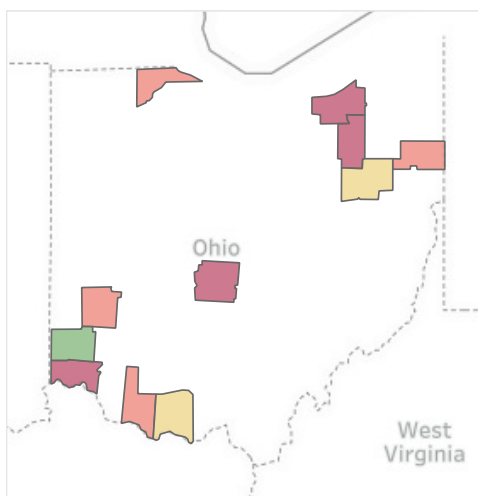
## Franklin County - Tobacco Screening & Cessation Counseling (%)

### OEI Quintiles | CY 2015-2017 Yearly Comparison

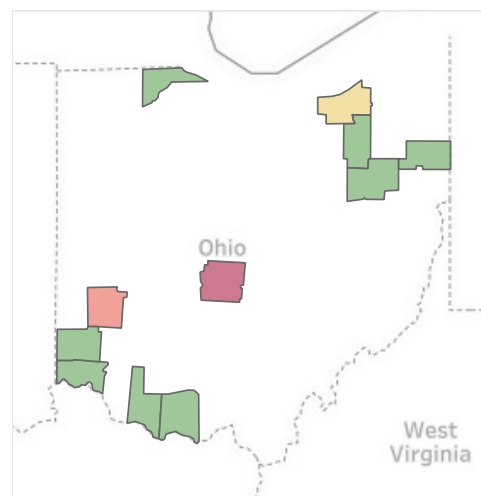
CY 2015



CY 2016



CY 2017

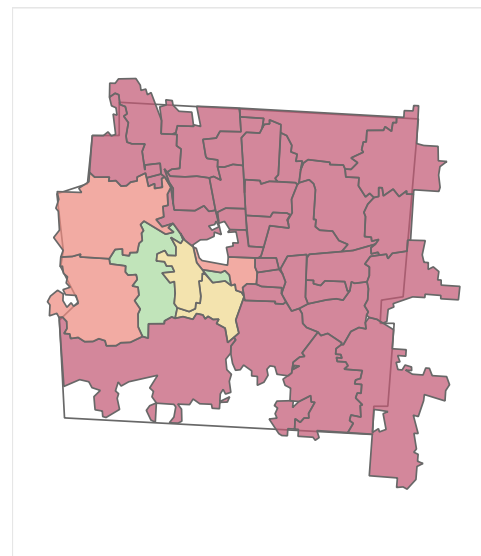
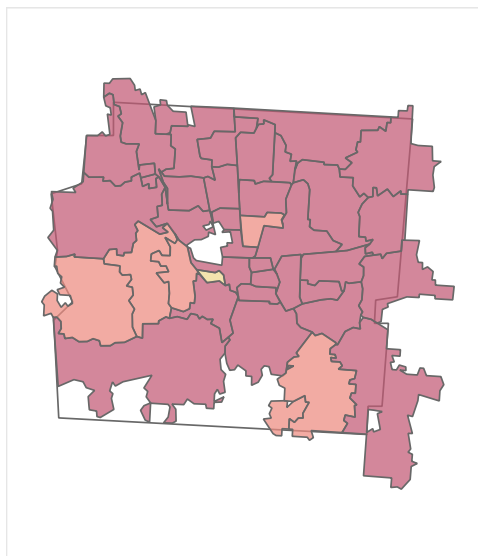
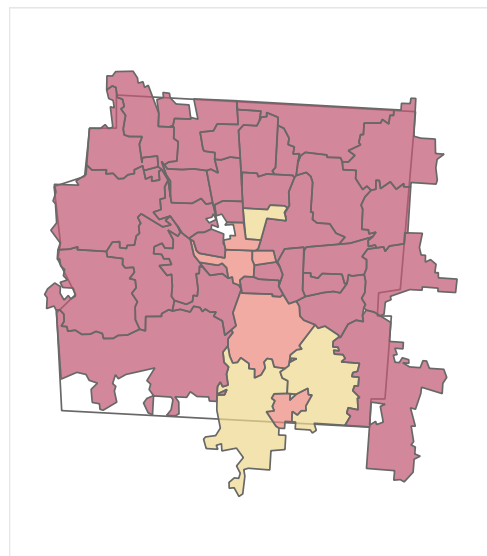


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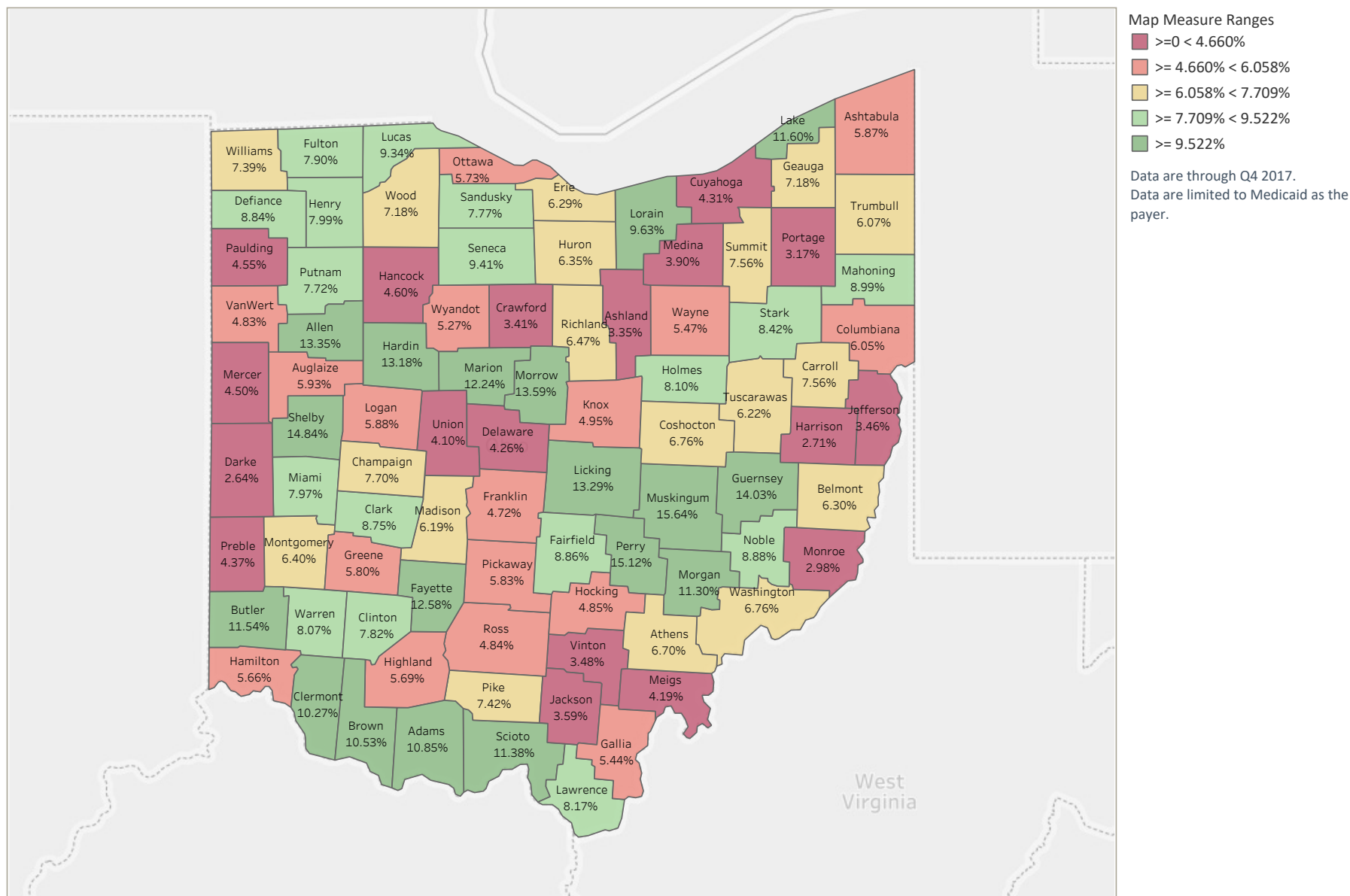
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



## Statewide - Tobacco Screening & Cessation Counseling (%)

### Overall Quintiles by County | CY 2015 - 2017





## Yearly Trends by MCP - Tobacco Screening & Cessation Counseling (%)

All OEI Counties | CY 2015-2017

Medicaid Plan

All Plans

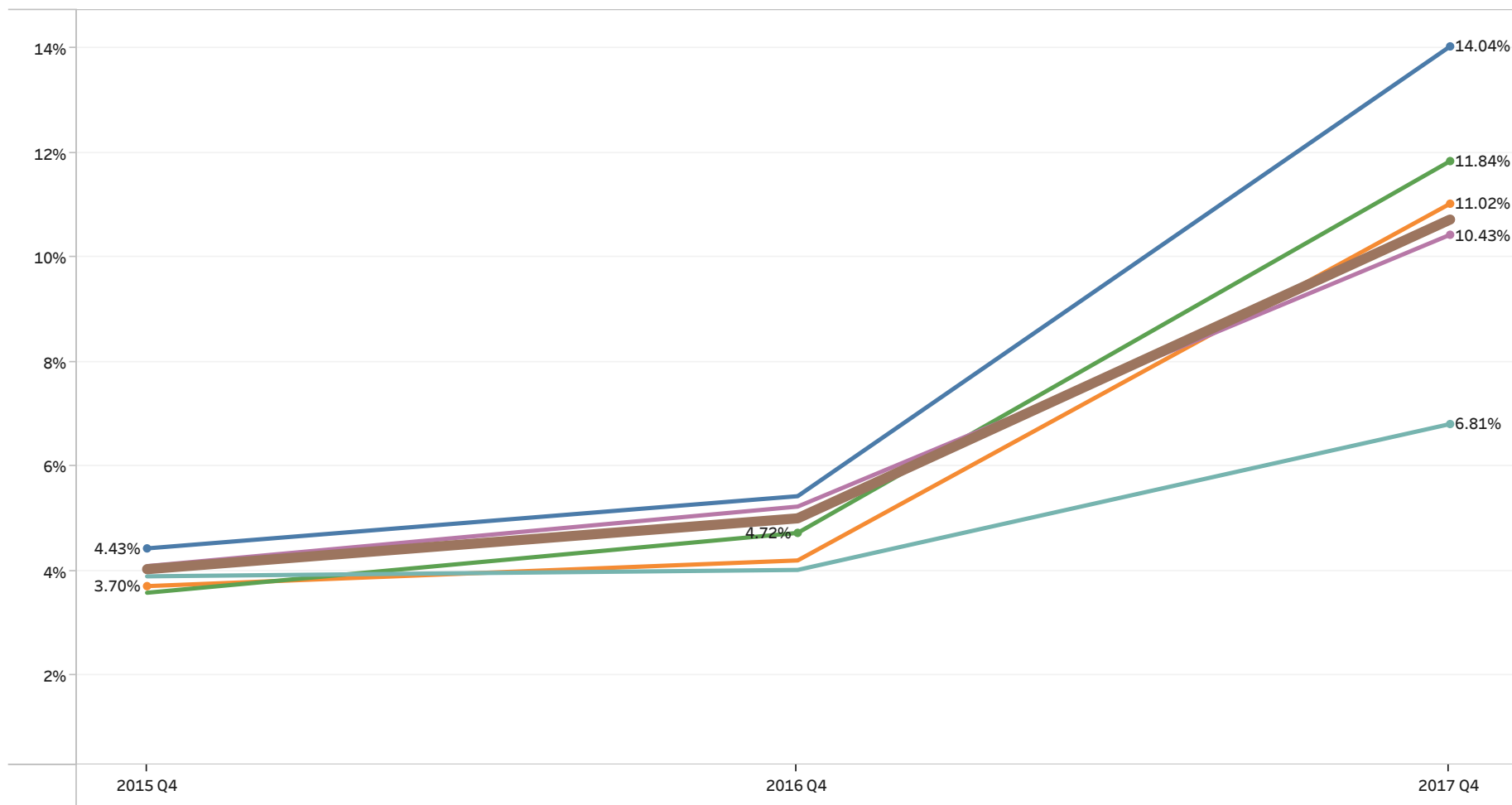
Buckeye

CareSource

Molina

Paramount

United



Data are through Q4 2017.

Data are limited to Medicaid as the payer.



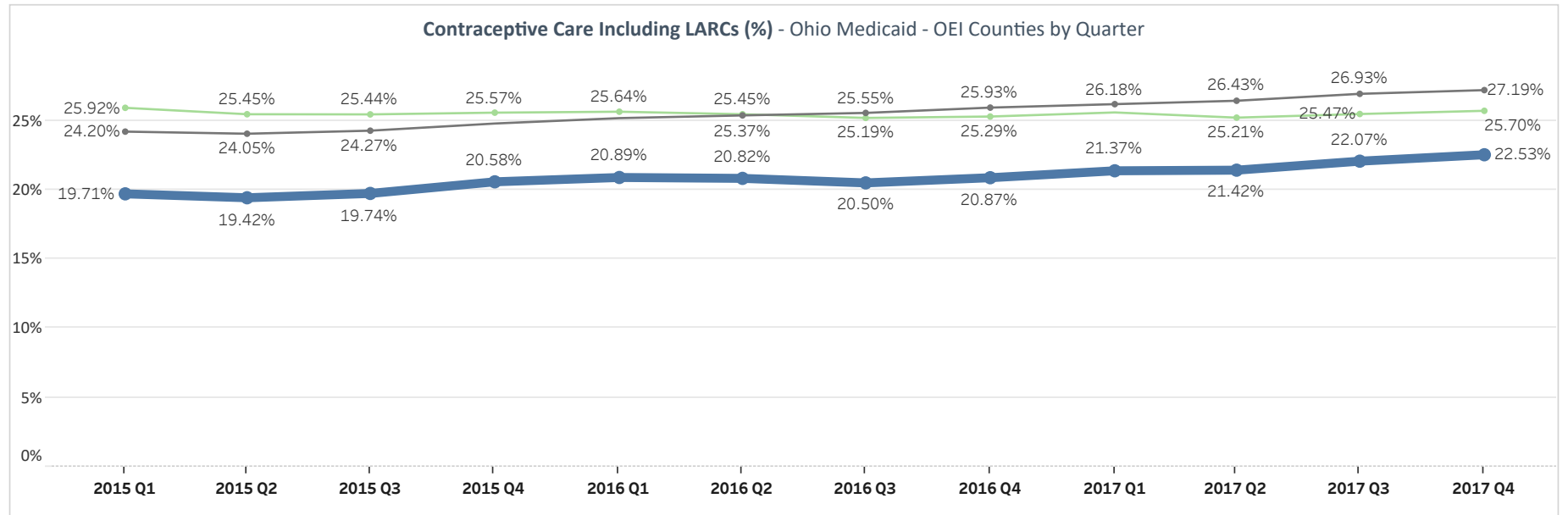
## Contraceptive Care Including LARCs (%)

## Franklin, Cuyahoga, Hamilton Counties - Contraceptive Care Including LARCs (%)

### Trends by Quarter | CY 2015-2017

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton



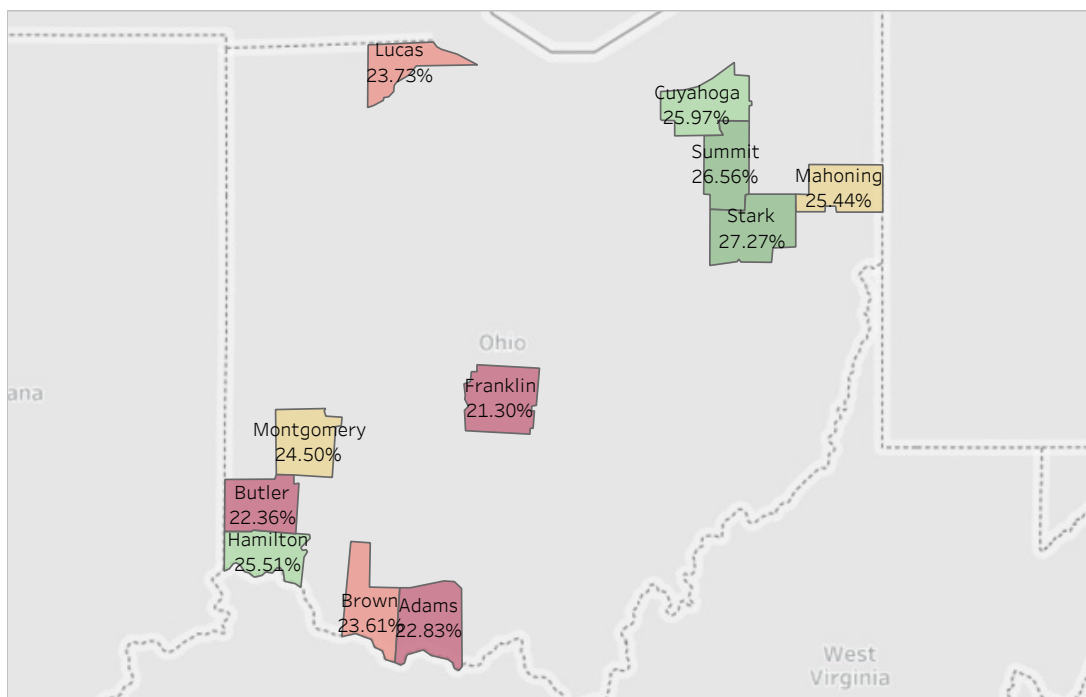
County	Contraceptive Care Including LARCs Aggregate Rate Q1 2015 - Q4 2017	Contraceptive Care Including LARCs Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	25.97%	27.19%	From 18647 to 18841 Women
<b>Franklin</b>	21.30%	22.53%	From 13336 to 13505 Women
Hamilton	25.51%	25.70%	From 10990 to 11139 Women

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2015 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p- value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2015 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data. This measure includes moderate to most effective forms of contraception, including Long-Acting Reversible Contraceptives (LARCs).



## Franklin, Cuyahoga, Hamilton Counties - Contraceptive Care Including LARCs (%)

### OEI County Quintiles | CY 2015-2017



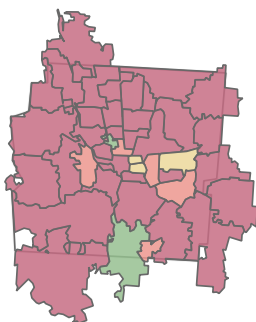
#### Map Measure Ranges

- $\geq 0 < 22.839\%$
- $\geq 22.839\% < 23.744\%$
- $\geq 23.744\% < 25.505\%$
- $\geq 25.505\% < 26.550\%$
- $\geq 26.550\%$

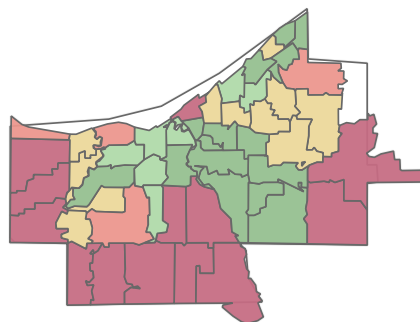
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2017.  
Data are limited to Medicaid as the payer.

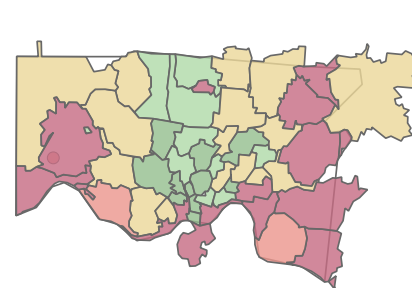
Franklin



Cuyahoga

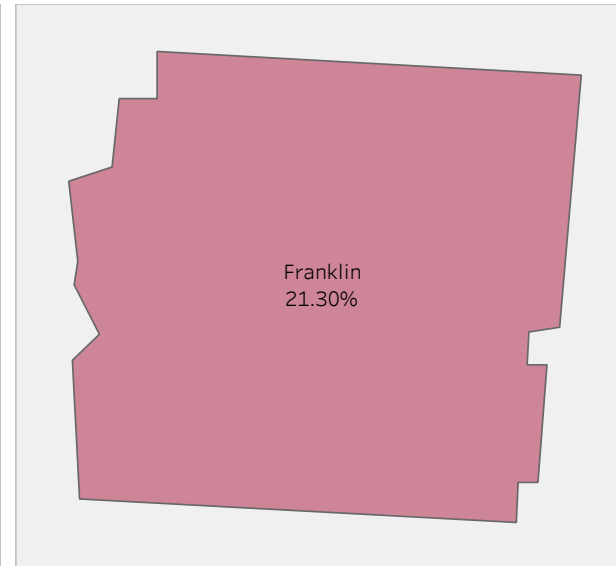
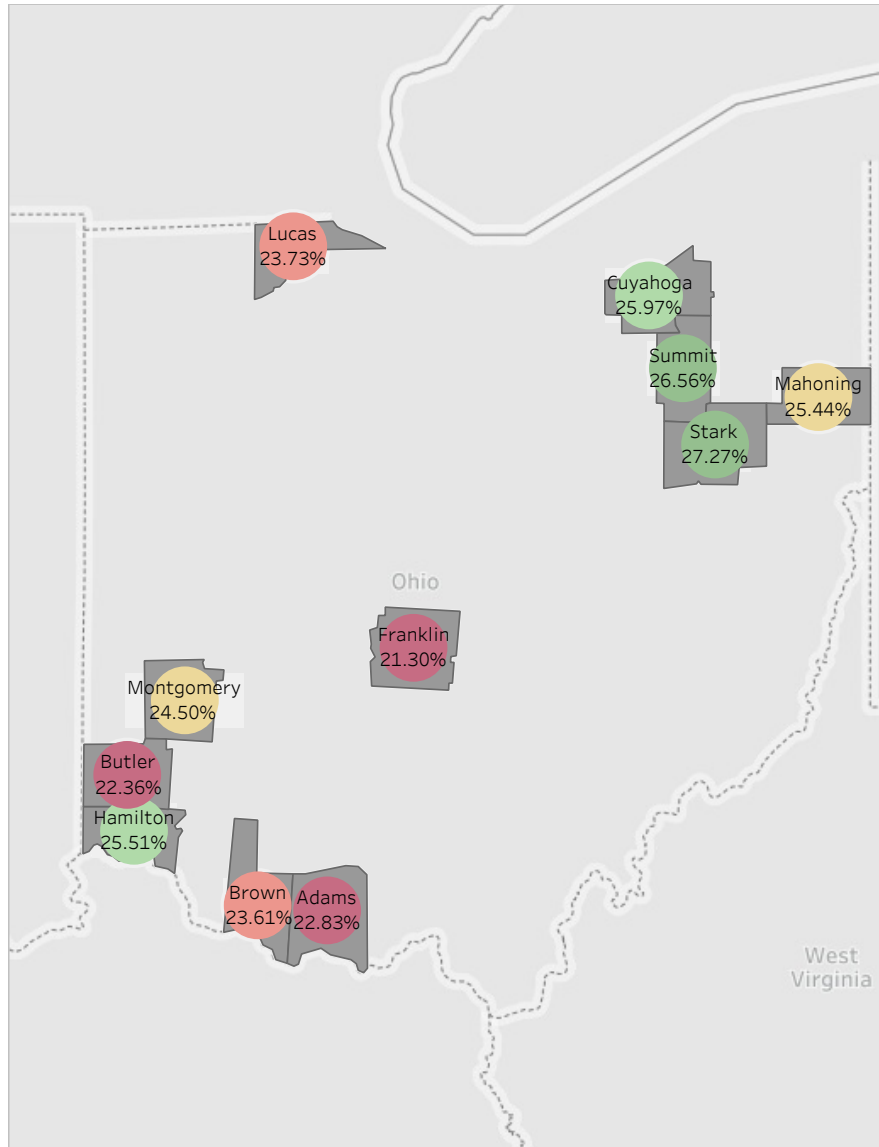


Hamilton



## Franklin County - Contraceptive Care Including LARCs (%)

### OEI Quintiles | CY 2015-2017

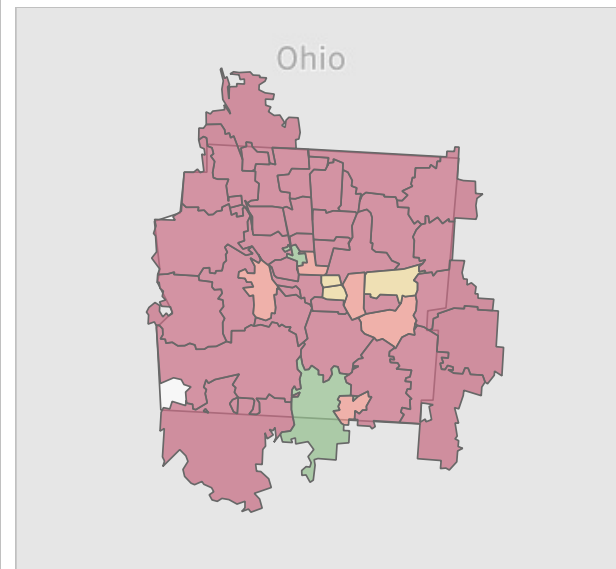


#### Map Measure Ranges

- >= 0 < 22.839%
- >= 22.839% < 23.744%
- >= 23.744% < 25.505%
- >= 25.505% < 26.550%
- >= 26.550%

A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

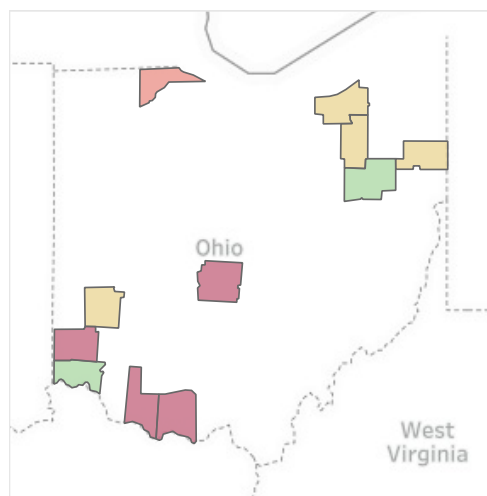
Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



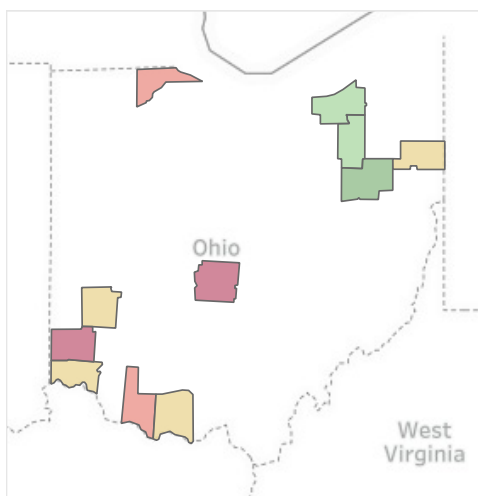
## Franklin County - Contraceptive Care Including LARCs (%)

### OEI Quintiles | CY 2015-2017 Yearly Comparison

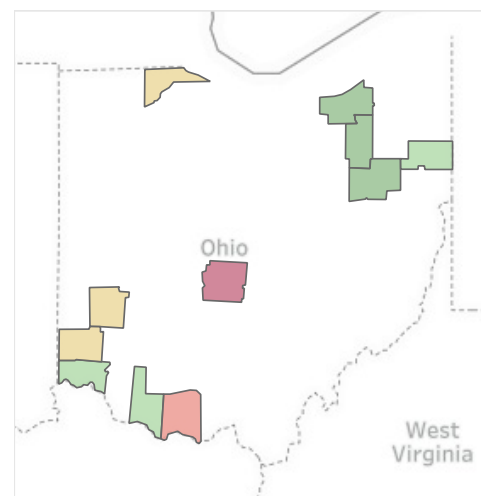
CY 2015



CY 2016



CY 2017



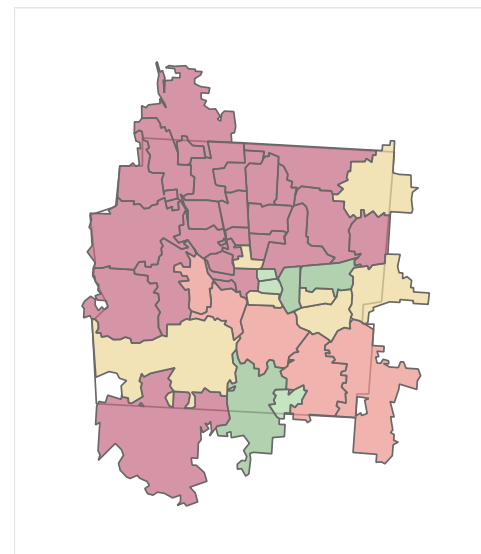
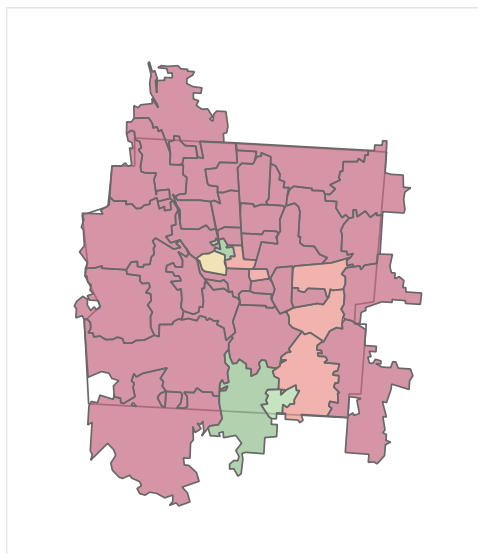
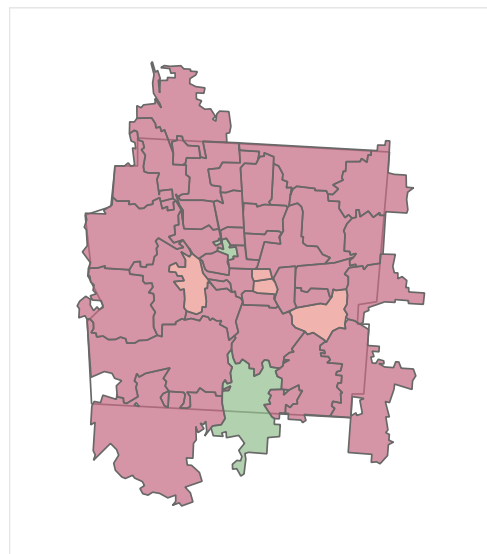
#### Map Measure Ranges

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- $\geq 22.839\% < 23.744\%$
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Data are through Q4 2017.

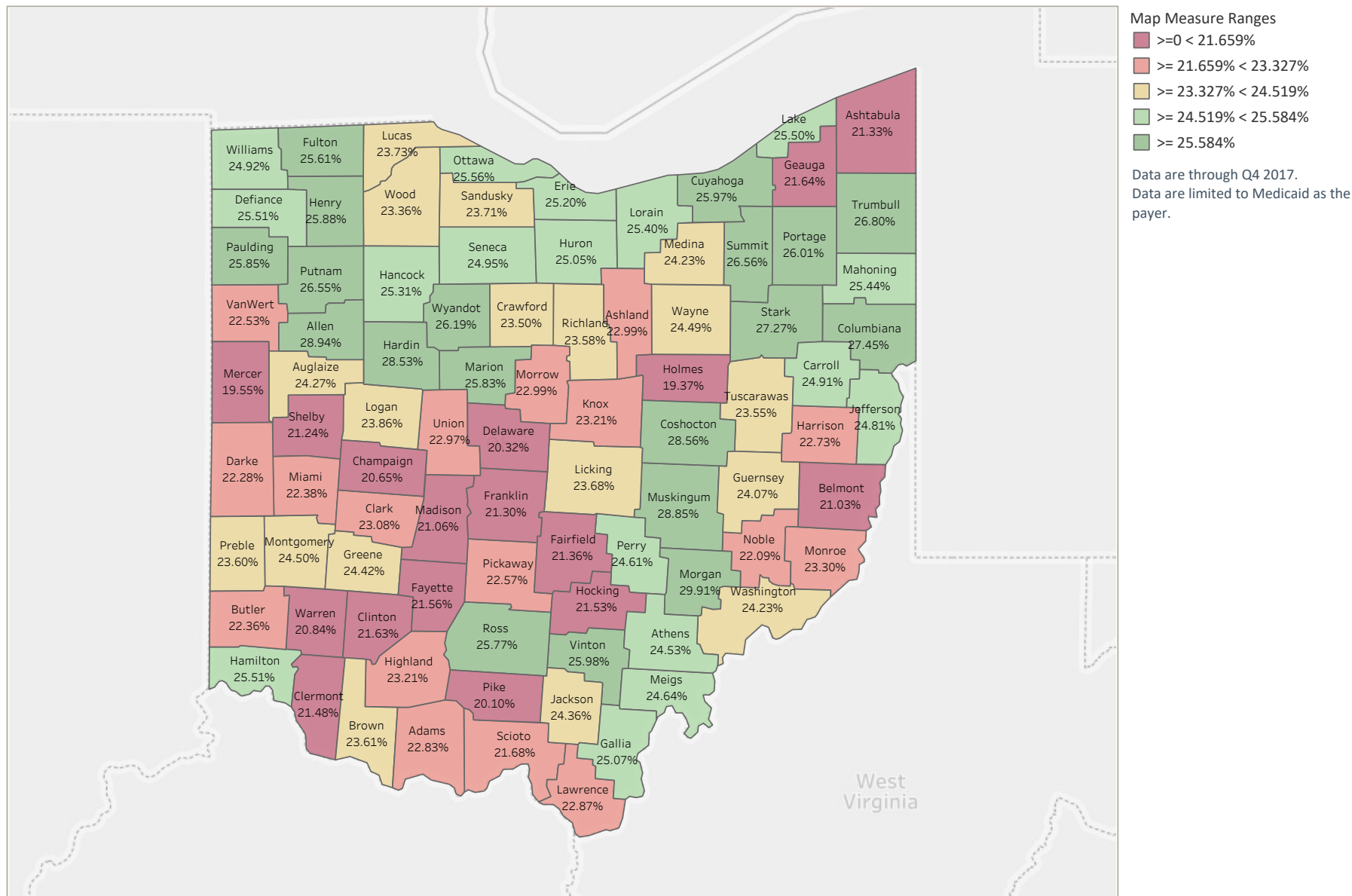
Data are limited to Medicaid as the payer.





## Statewide - Contraceptive Care Including LARCs (%)

### Overall Quintiles by County | CY 2015 - 2017





### Yearly Trends by MCP - Contraceptive Care Including LARCs (%) All OEI Counties | CY 2015-2017

Medicaid Plan  
All Plans

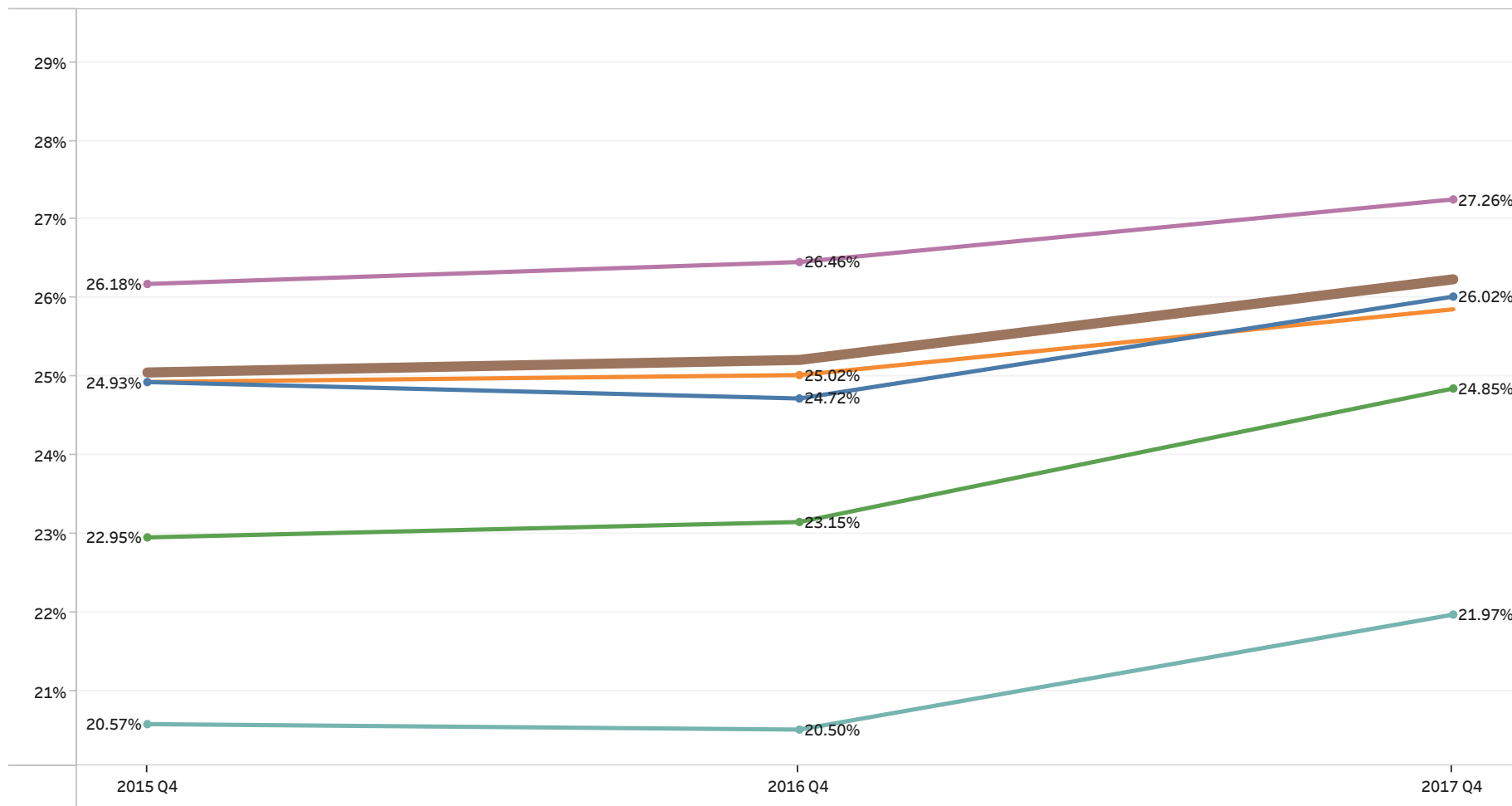
Buckeye

CareSource

Molina

Paramount

United



Data are through Q4 2017.

Data are limited to Medicaid as the payer.



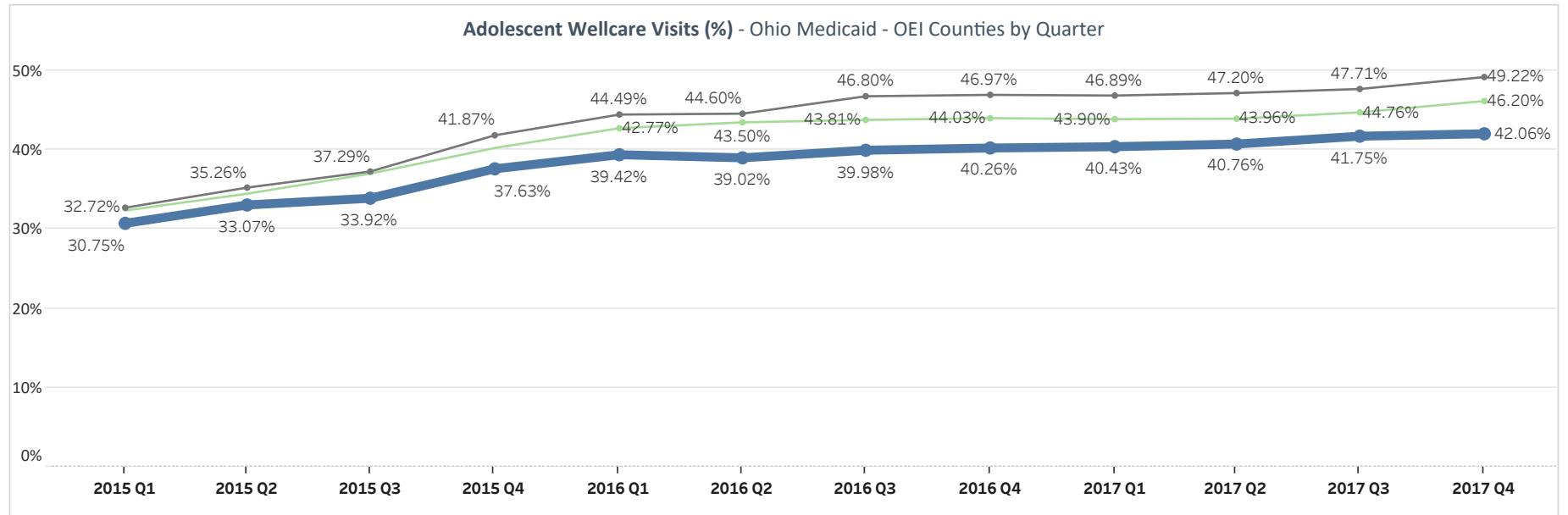
## Adolescent Wellcare Visits (%)

## Franklin, Cuyahoga, Hamilton Counties - Adolescent Wellcare Visits (%)

### Trends by Quarter | CY 2015-2017

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton



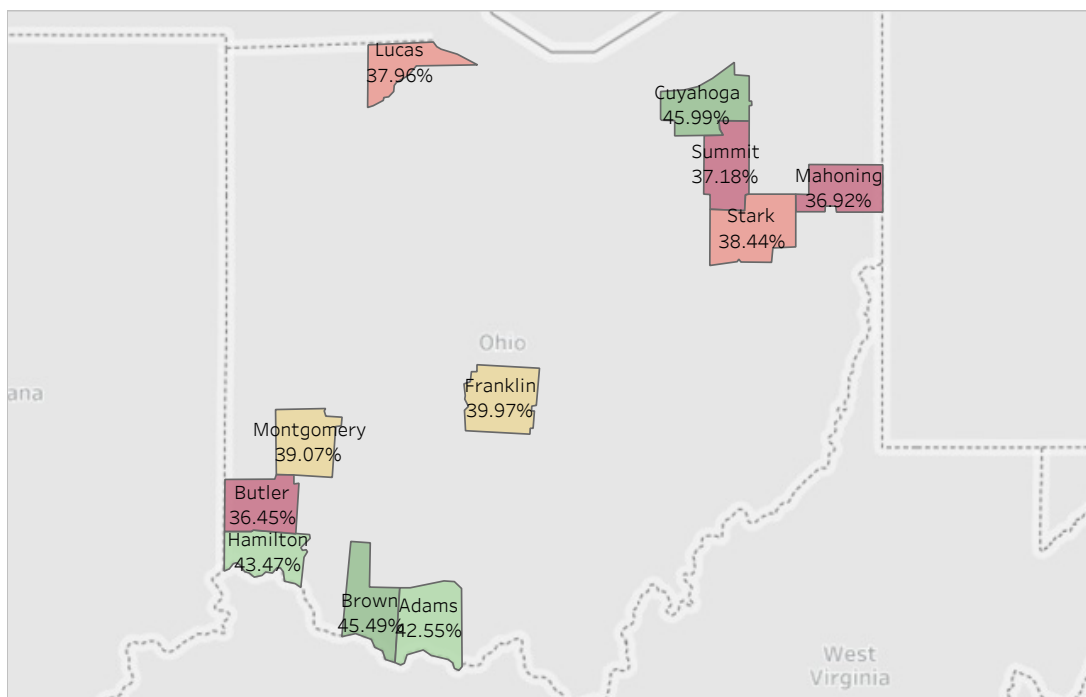
County	Adolescent Wellcare Visits Aggregate Rate Q1 2015 - Q4 2017	Adolescent Wellcare Visits Current Rate Q1 2017 - Q4 2017	Annual Target for Real Impact*
Cuyahoga	45.99%	49.22%	From 14275 to 14419 Women
<b>Franklin</b>	39.97%	42.06%	From 11257 to 11393 Women
Hamilton	43.47%	46.20%	From 8103 to 8215 Women

Note: Statistical significance test is based off of a 95% confidence level using the binomial test of proportions. The baseline rate (a rate for the entire time period from Q1 2015 – Q4 2017) is compared to the annual target numerator, denominator, and rate for future data to determine a change that would result in p-value less than 0.05, resulting in statistical significance at a 95% confidence level. In order to normalize and account for any quarterly variation, the size of the denominator for the target measure is based off of an average quarterly calculation of the denominators from Q1 2015 through Q4 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.



## Franklin, Cuyahoga, Hamilton Counties - Adolescent Wellcare Visits (%)

### OEI County Quintiles | CY 2015-2017



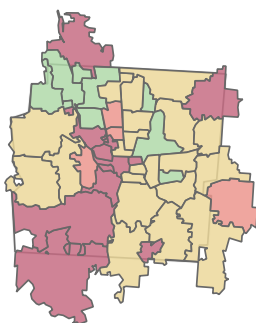
#### Map Measure Ranges

- >= 0 < 37.188%
- >= 37.188% < 38.455%
- >= 38.455% < 42.543%
- >= 42.543% < 45.478%
- >= 45.478%

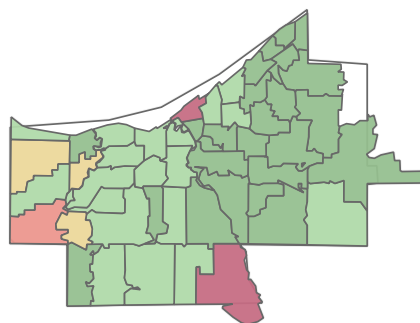
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Data are limited to Medicaid as the payer.

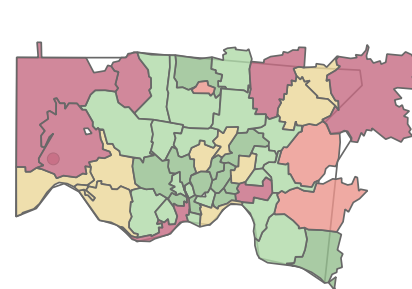
Franklin



Cuyahoga

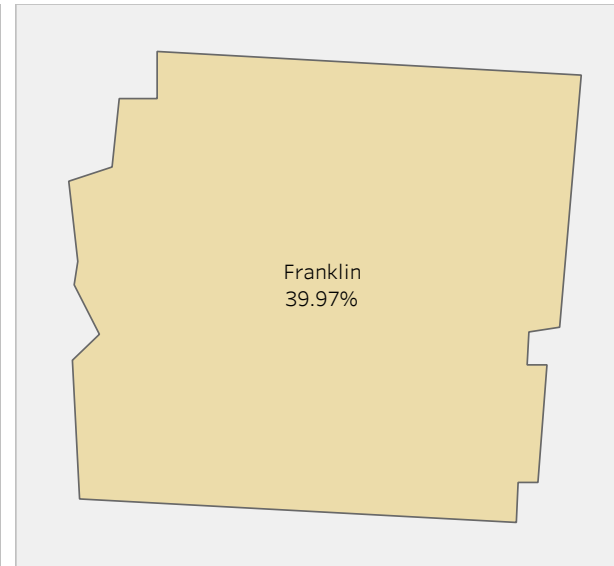
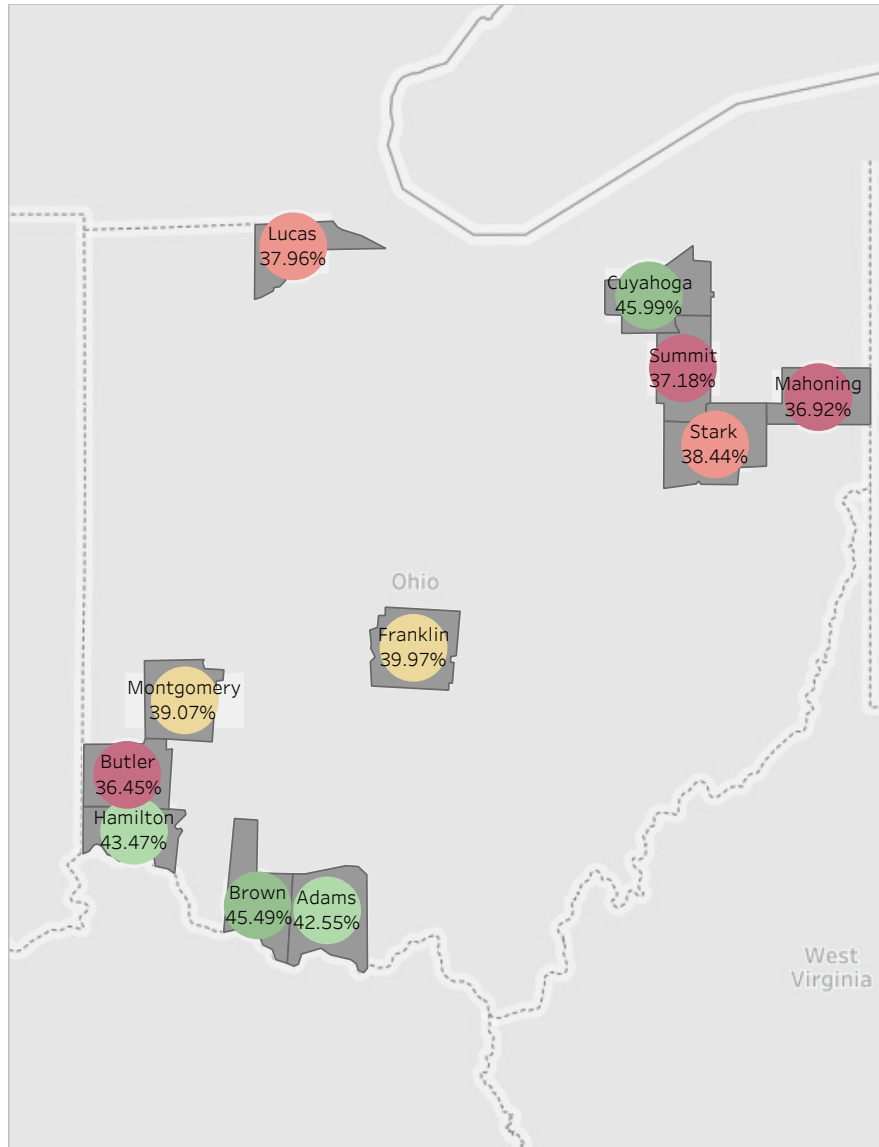


Hamilton



## Franklin County - Adolescent Wellcare Visits (%)

### OEI Quintiles | CY 2015-2017

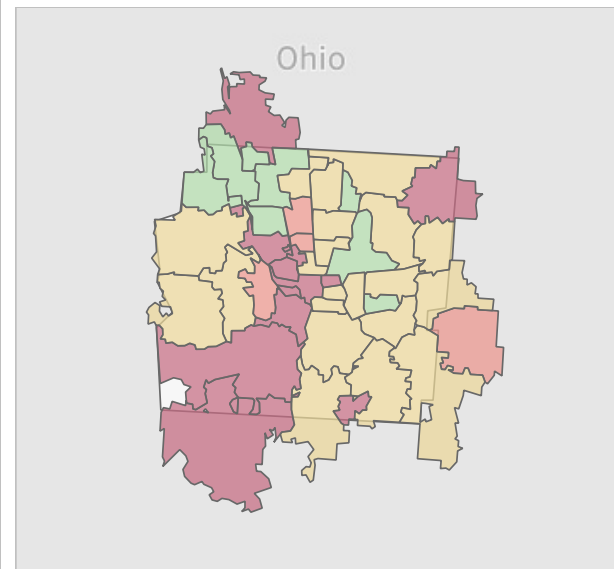


#### Map Measure Ranges

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- >= 38.455% < 42.543%
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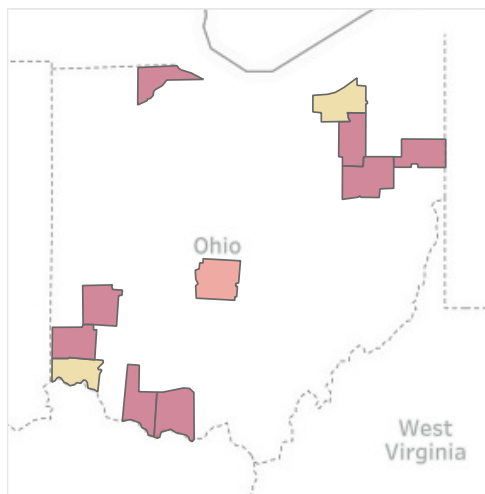
Data are through Q4 2017.  
Data are limited to Medicaid as the payer.



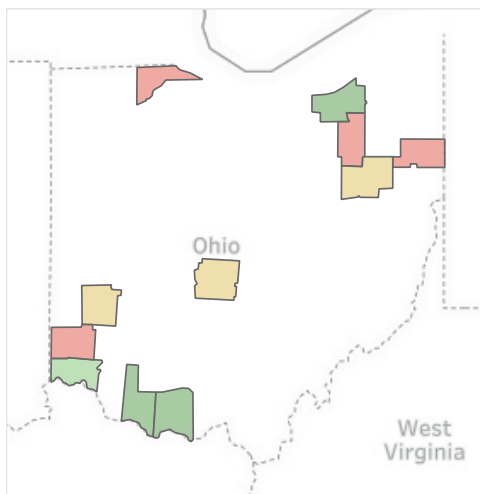
## Franklin County - Adolescent Wellcare Visits (%)

### OEI Quintiles | CY 2015-2017 Yearly Comparison

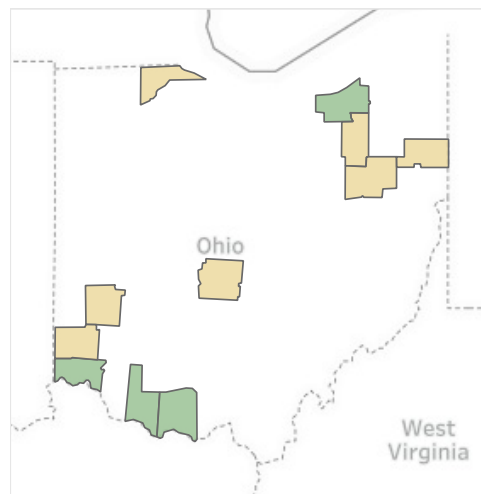
CY 2015



CY 2016



CY 2017

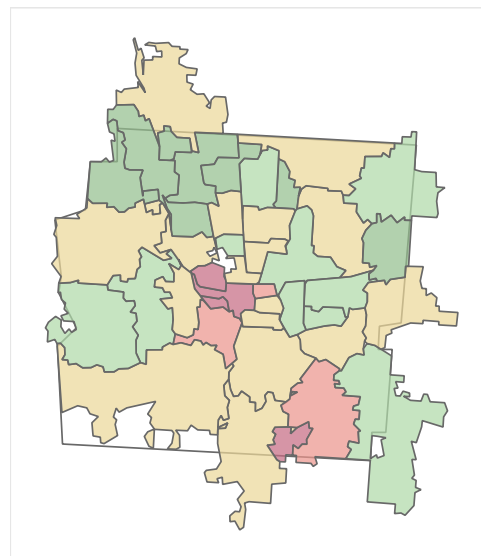
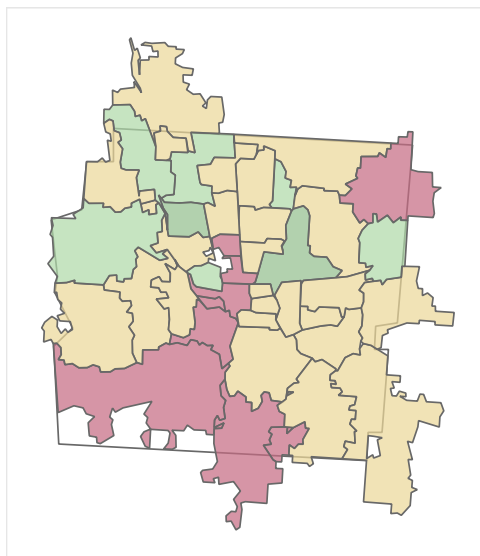
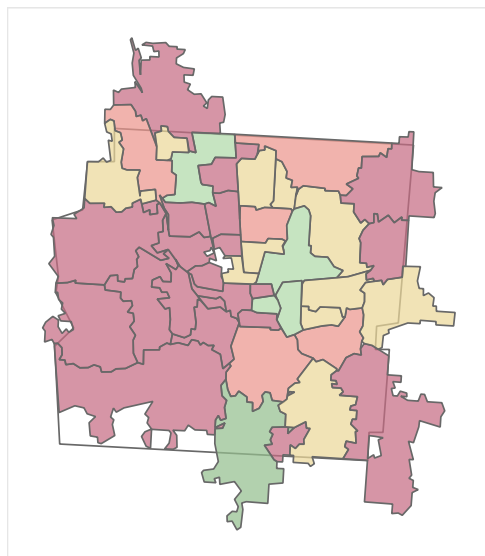


#### Map Measure Ranges

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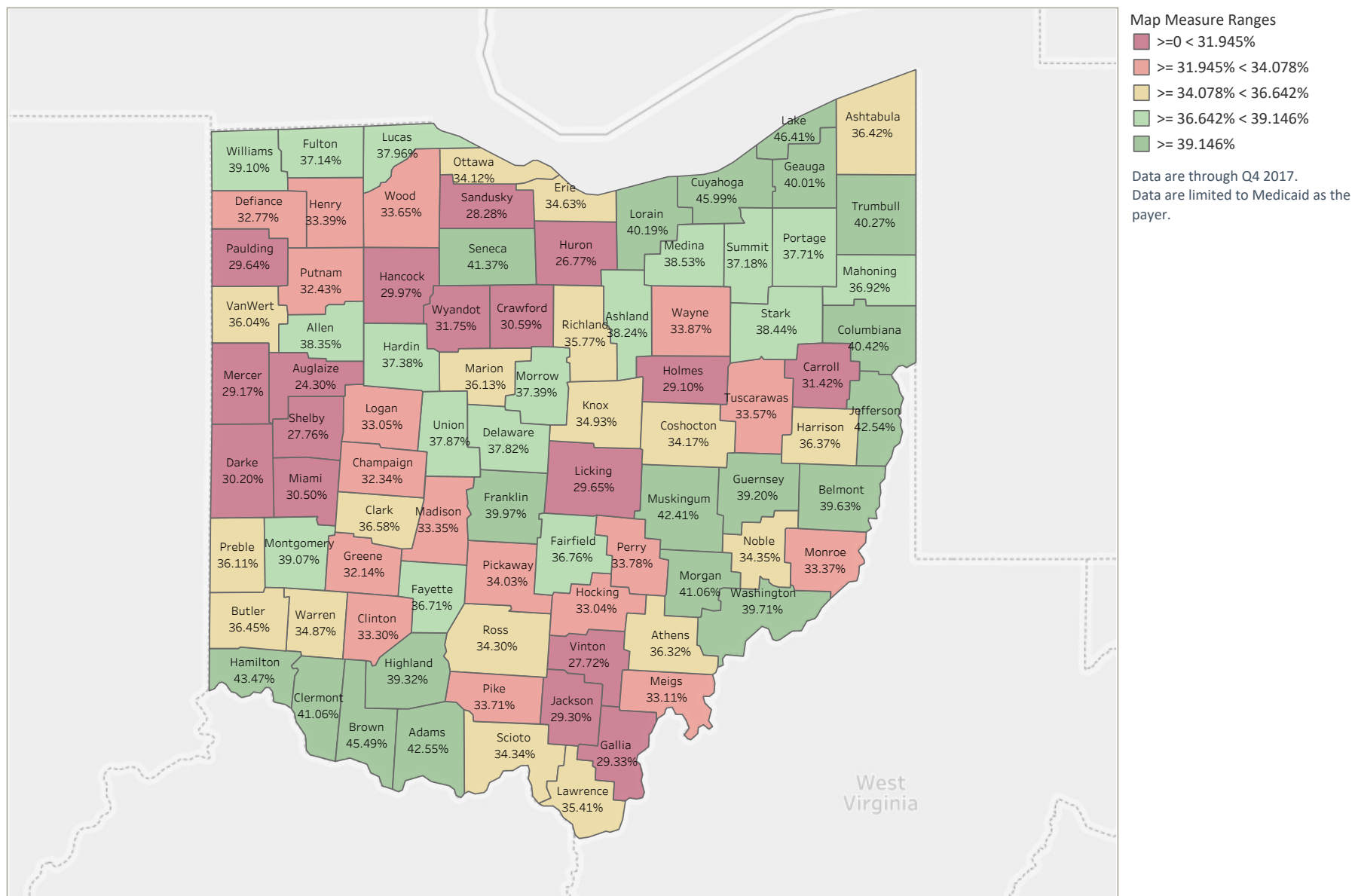
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## Statewide - Adolescent Wellcare Visits (%)

### Overall Quintiles by County | CY 2015 - 2017







### Yearly Trends by MCP - Adolescent Wellcare Visits (%) All OEI Counties | CY 2015-2017

Medicaid Plan  
All Plans

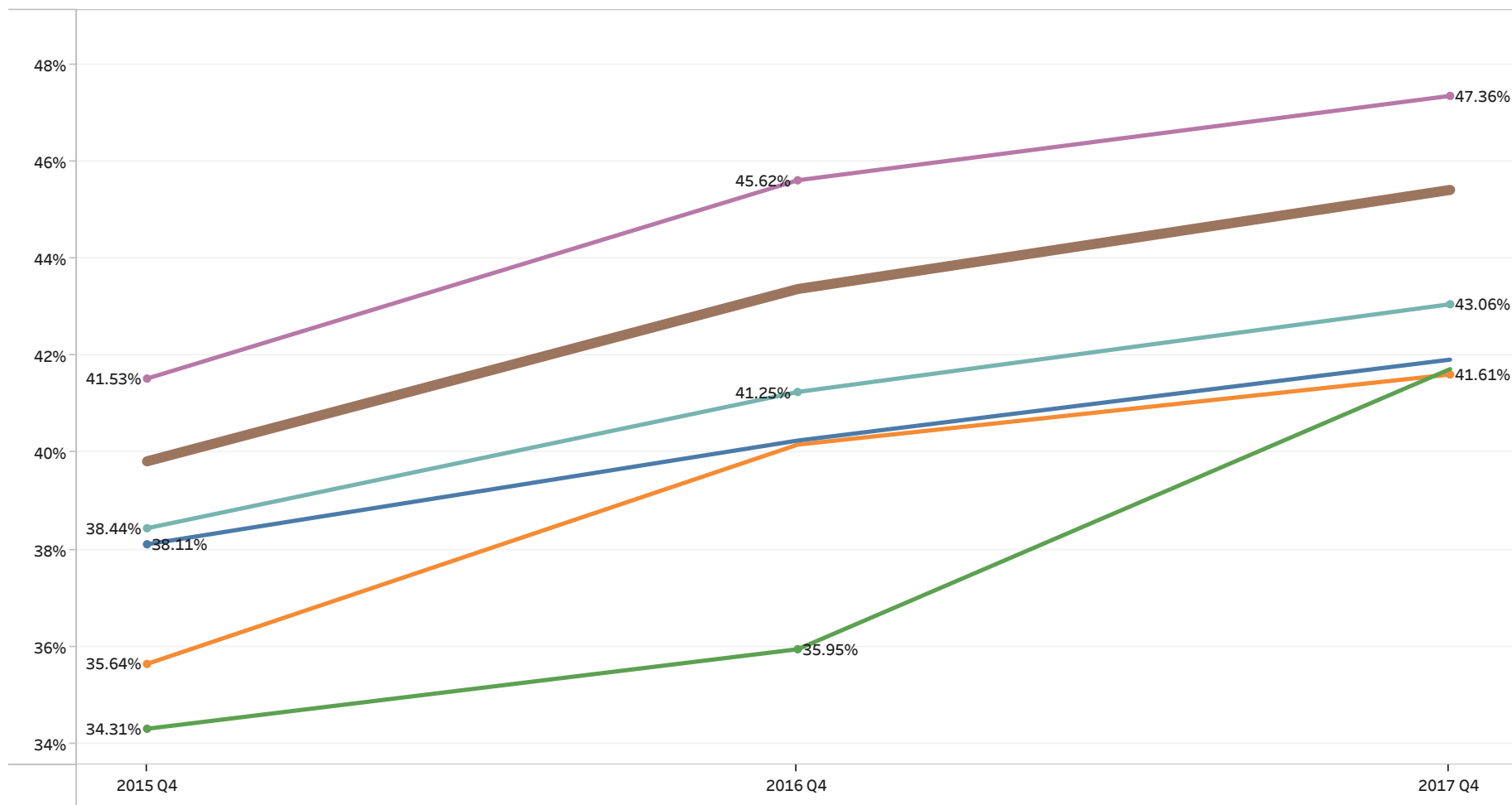
Buckeye

CareSource

Molina

Paramount

United



Data are through Q4 2017.

Data are limited to Medicaid as the payer.