



Department of  
Medicaid

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

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

Hamilton County

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



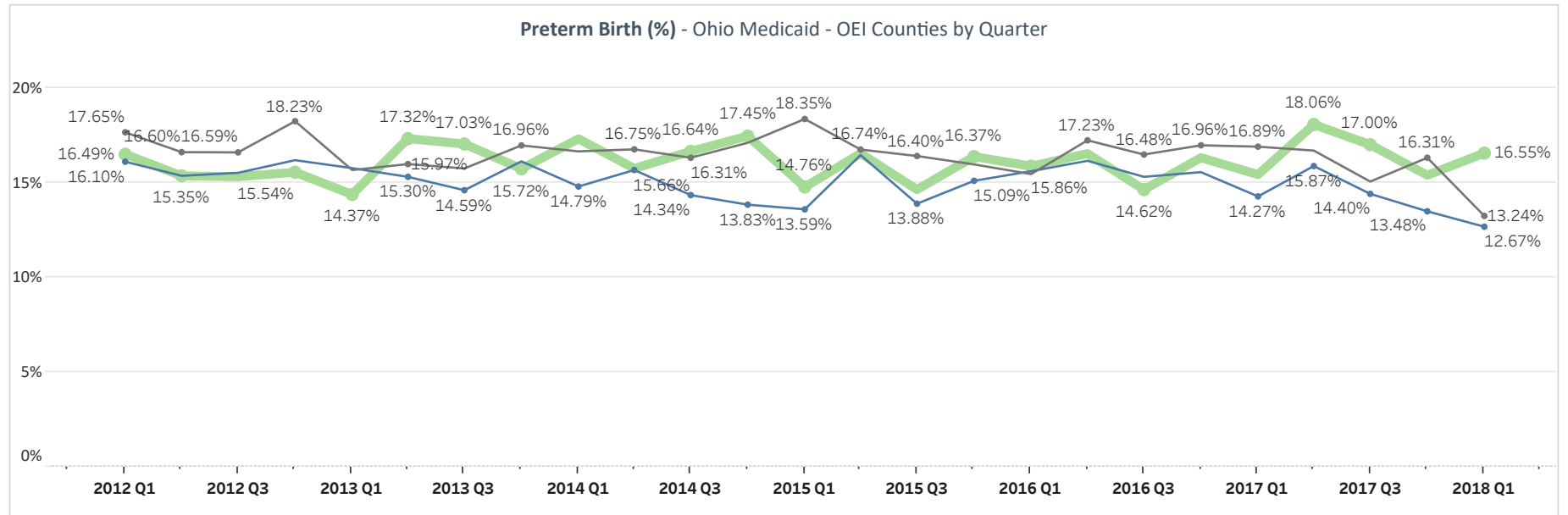
## Preterm Birth (%)

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

### Trends by Quarter | CY 2012-2018

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton

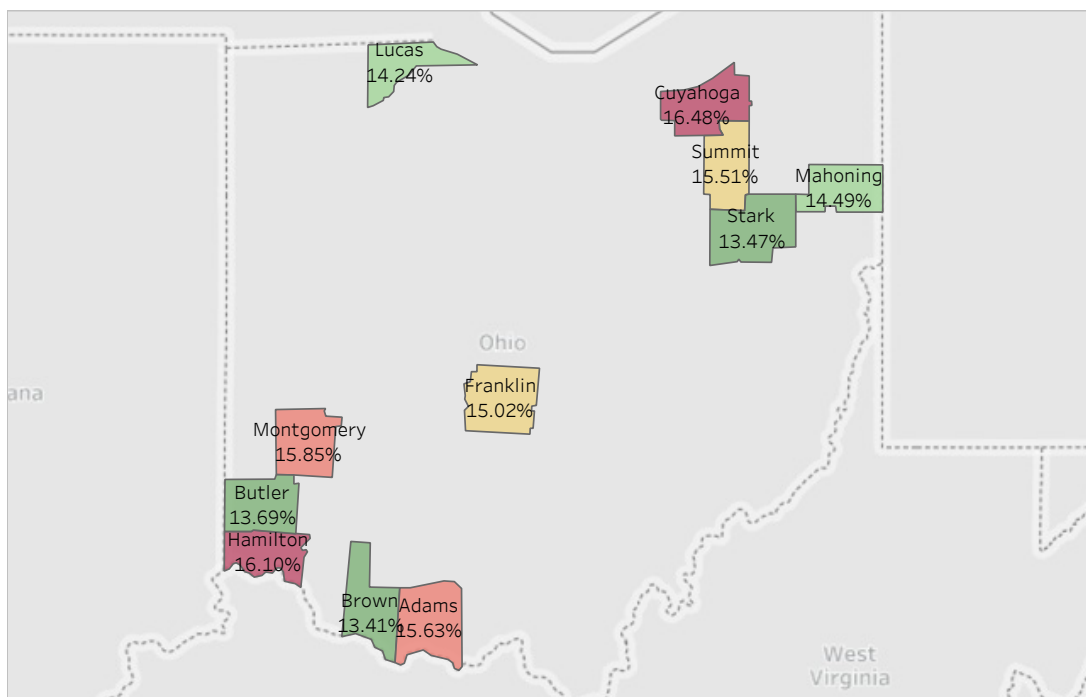


County	PTB Aggregate Rate Q1 2012 - Q1 2018	PTB Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	16.48%	15.35%	From 1416 to 1359 PTB Infants
<b>Hamilton</b>	16.10%	16.76%	From 949 to 903 PTB Infants
Franklin	15.02%	14.13%	From 1495 to 1437 PTB Infants

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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

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

### OEI County Quintiles | CY 2012-2018



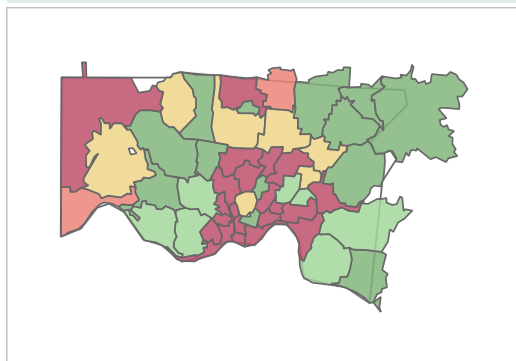
#### Map Measure Ranges

- $\geq 0 < 13.702\%$
- $\geq 13.702\% < 14.504\%$
- $\geq 14.504\% < 15.615\%$
- $\geq 15.615\% < 16.088\%$
- $\geq 16.088\%$

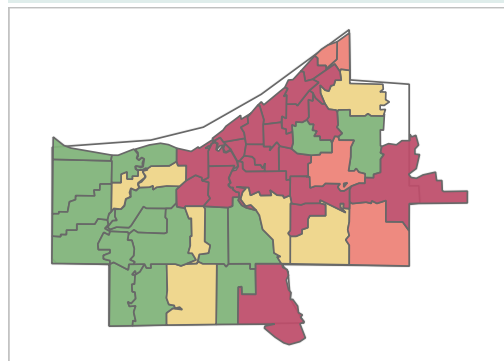
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Data are through Q1 2018.  
Data are limited to Medicaid as the payer.

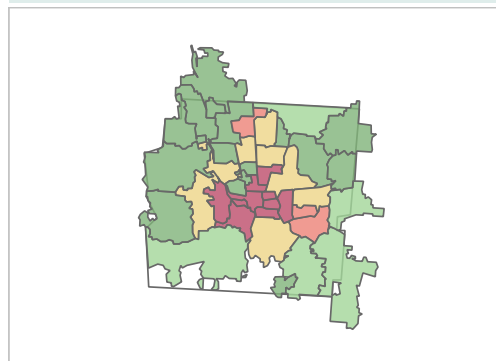
Hamilton



Cuyahoga

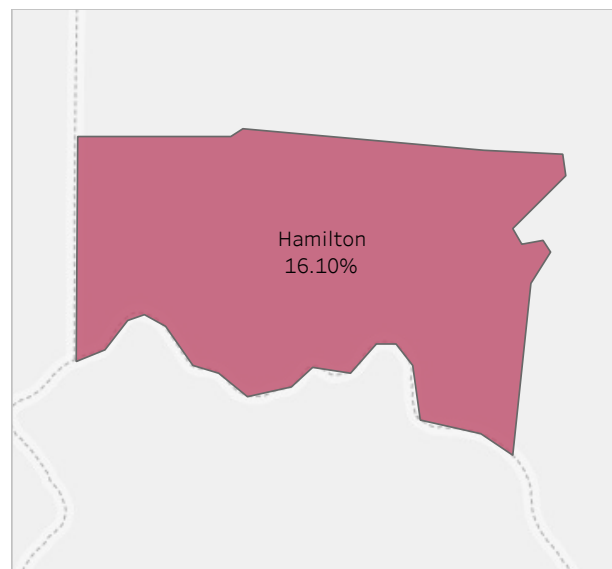
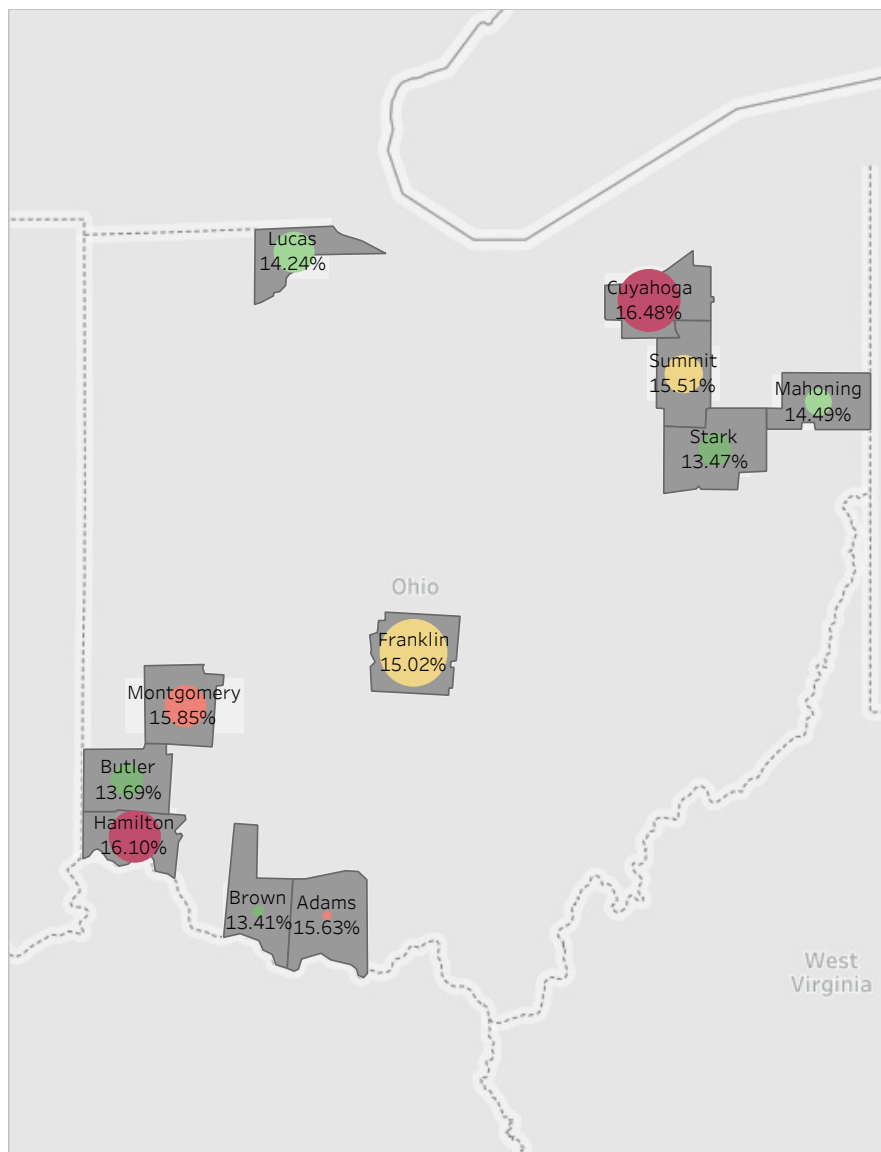


Franklin



## Hamilton County - Preterm Birth (%)

### OEI Quintiles | CY 2012-2018

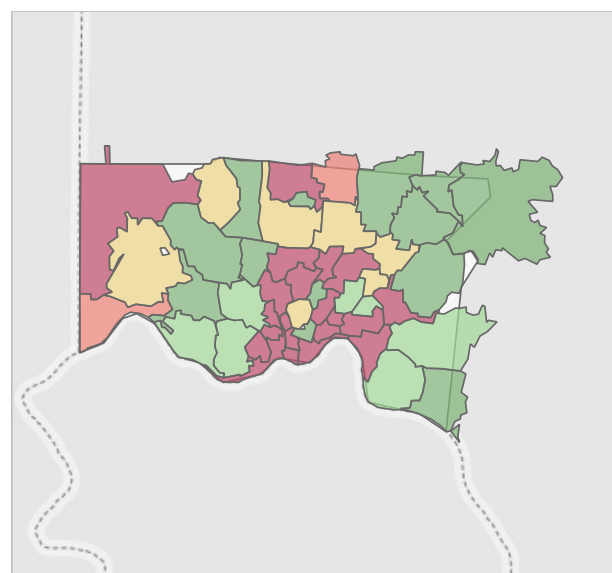


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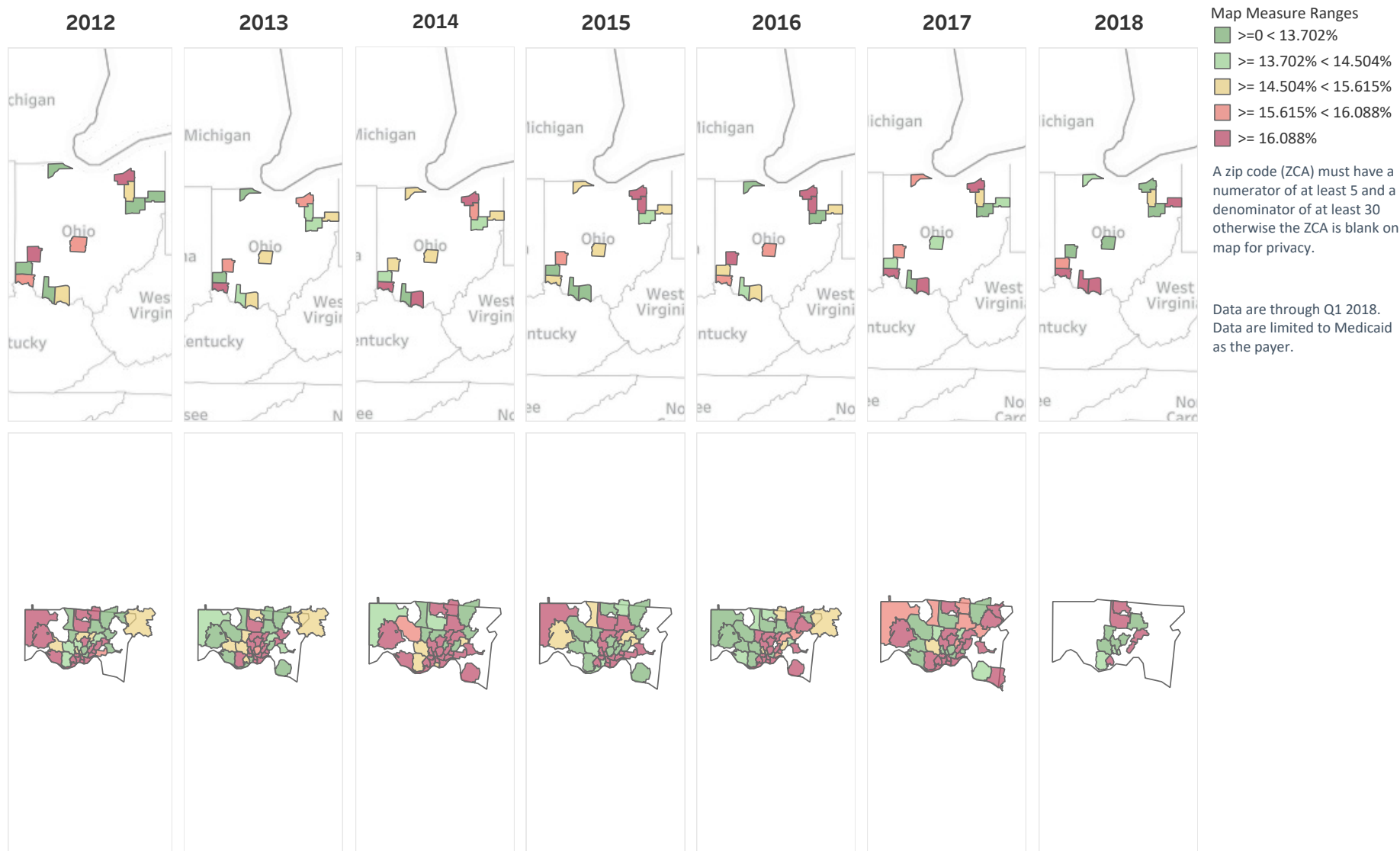
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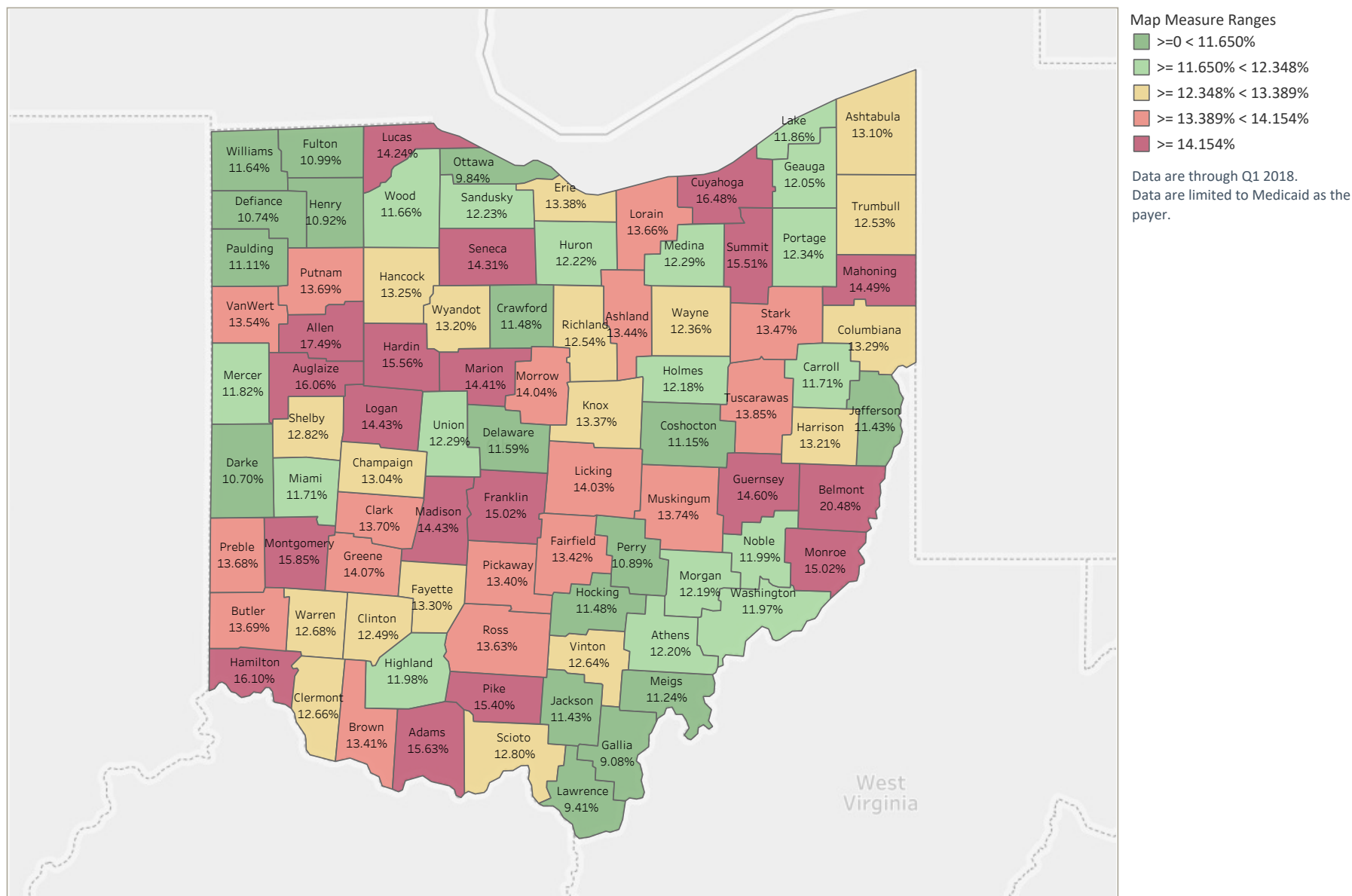
## Hamilton County - Preterm Birth (%)

### OEI Quintiles | CY 2012-2018 Yearly Comparison



## Statewide - Preterm Birth (%)

### Overall Quintiles by County | CY 2012 - 2018





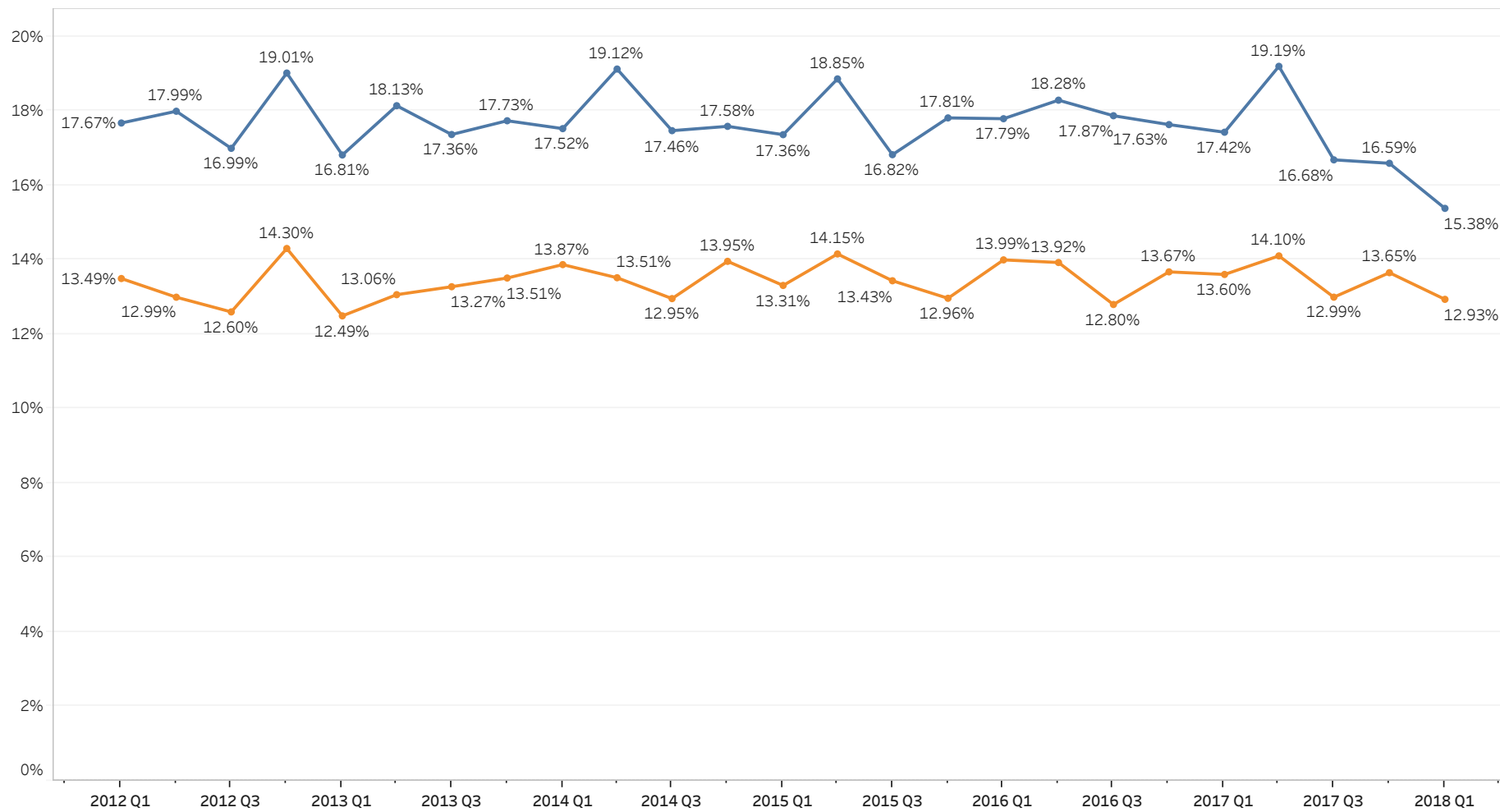
### Quarterly Trends by Race - Preterm Birth (%)

All OEI Counties | CY 2012-2018

Race

African American

Caucasian



Data are limited to Medicaid as the payer.





### Yearly Trends by MCP - Preterm Birth (%) All OEI Counties | CY 2012-2018

Medicaid Plan  
All Plans

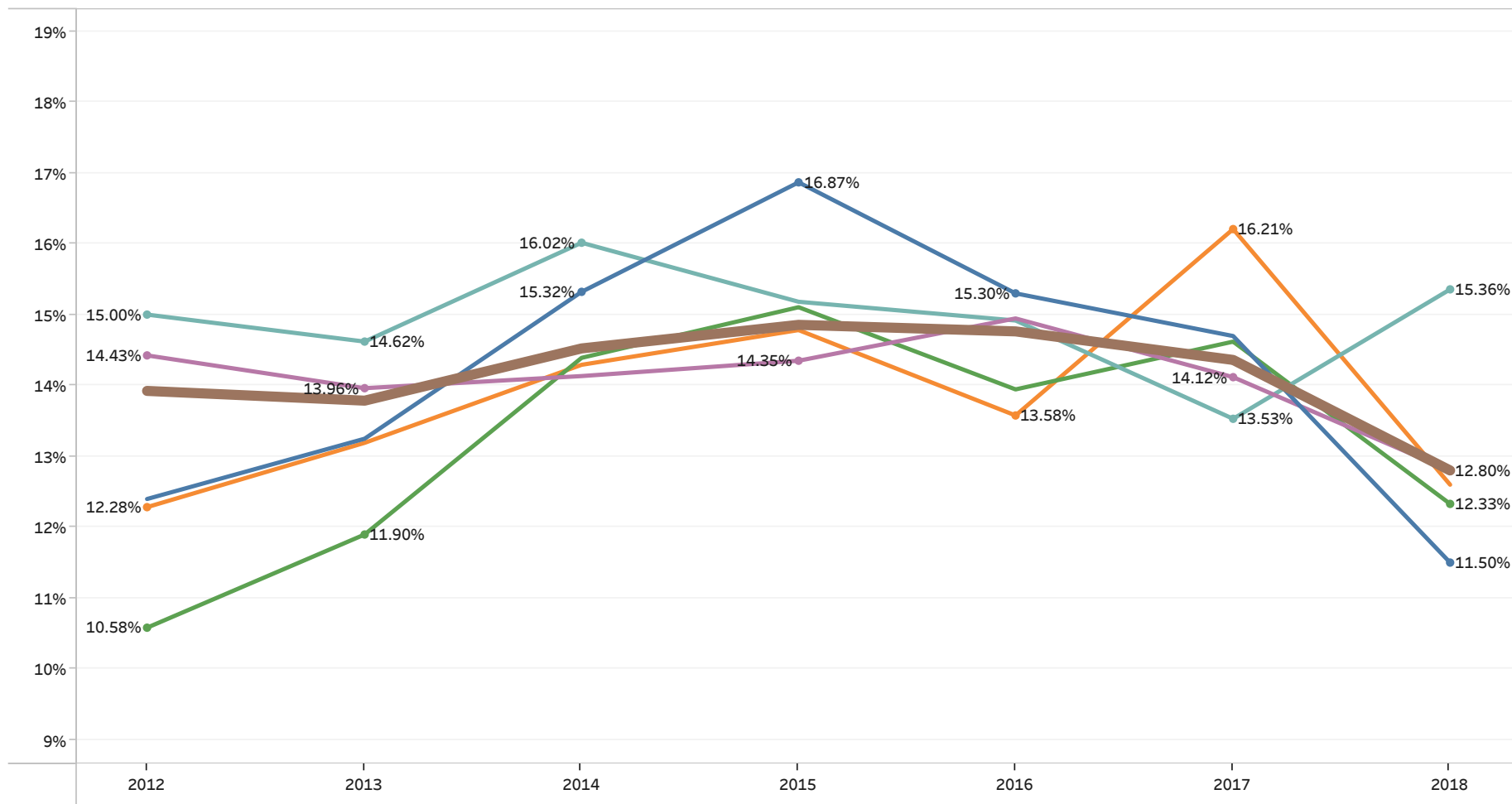
Buckeye

CareSource

Molina

Paramount

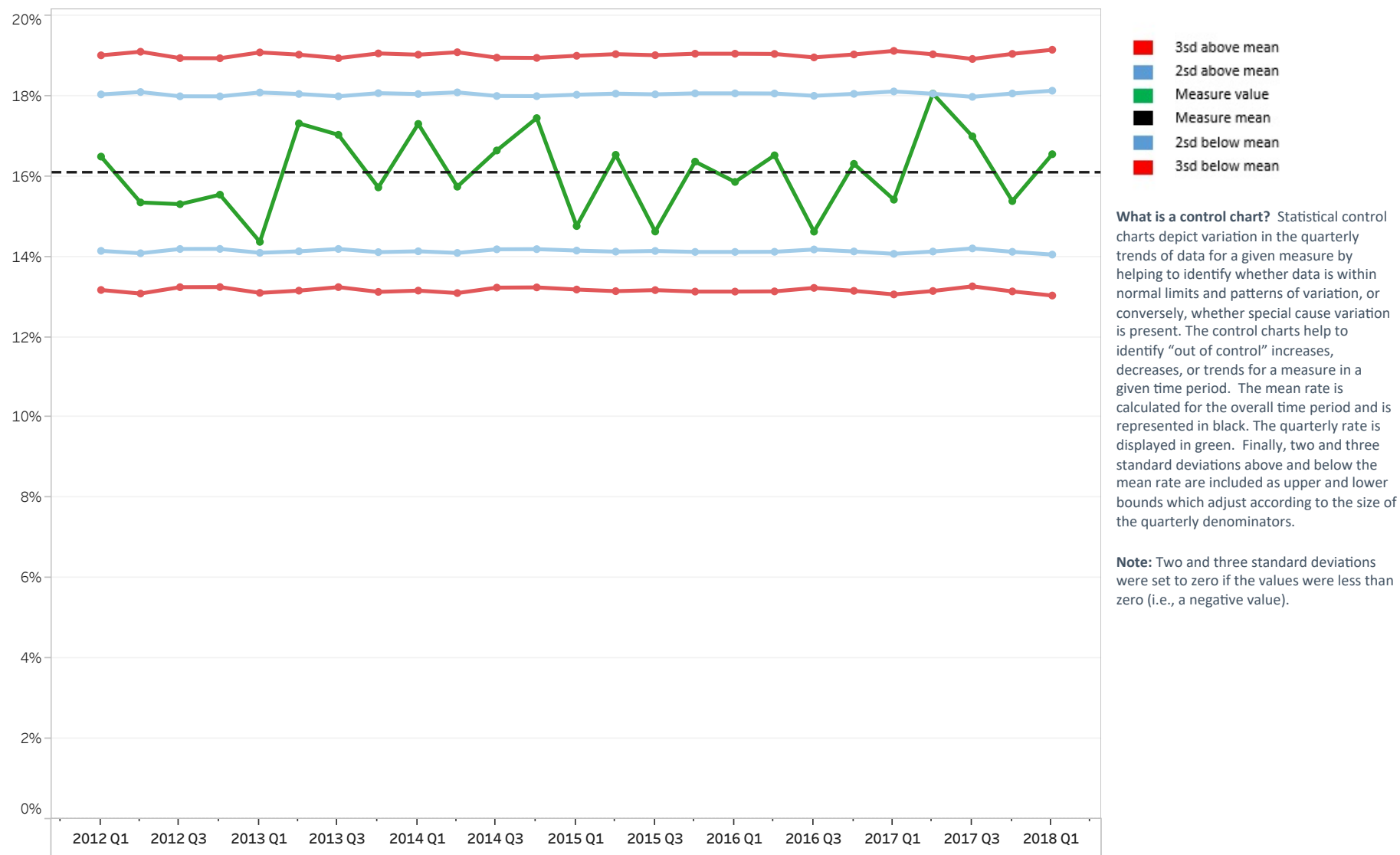
United



Data are through Q1 2018.

Data are limited to Medicaid as the payer.

## Hamilton County Quarterly Control Chart - Preterm Birth (%) CY 2012-2018



Data are limited to Medicaid as the payer.

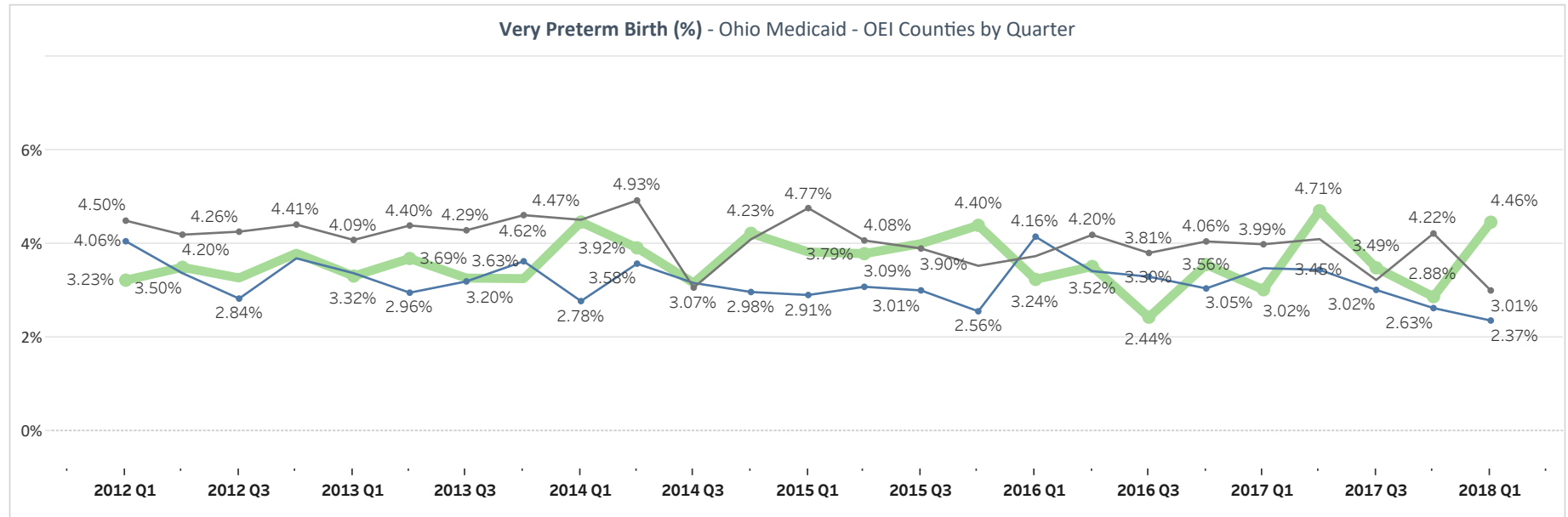


## Very Preterm Birth (%)

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

### Trends by Quarter | CY 2012-2018

Counties  
■ Cuyahoga    ■ Franklin    ■ Hamilton

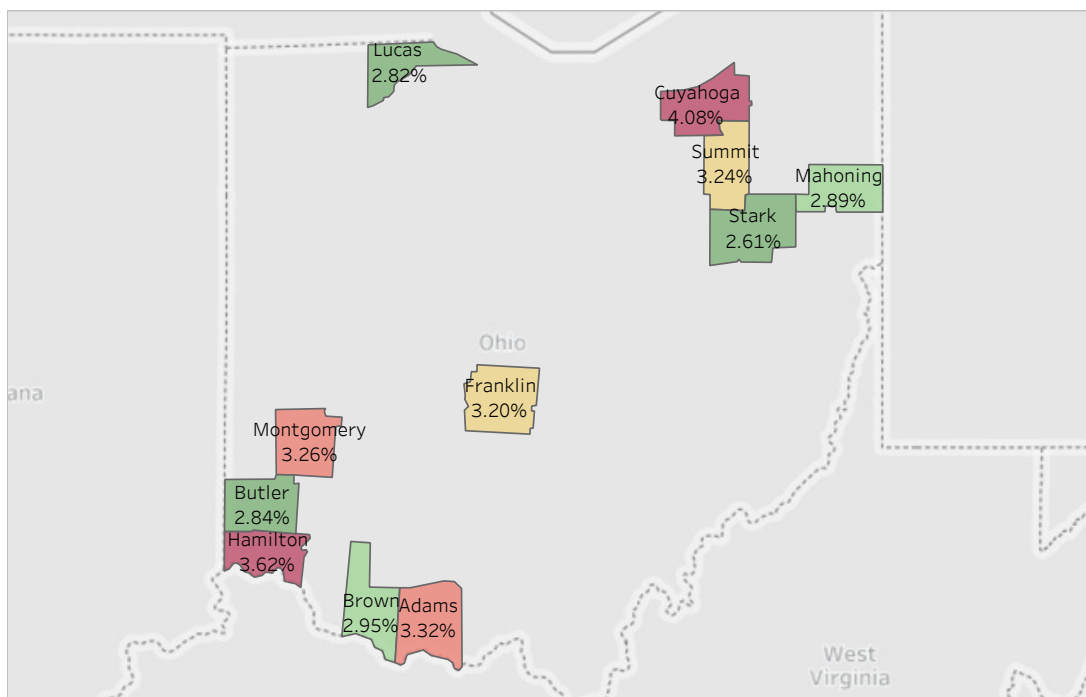


County	VPTB Aggregate Rate Q1 2012 - Q1 2018	VPTB Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	4.08%	3.64%	From 351 to 321 VPTB Infants
<b>Hamilton</b>	3.62%	3.87%	From 213 to 190 VPTB Infants
Franklin	3.20%	2.88%	From 319 to 290 VPTB Infants

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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

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

### OEI County Quintiles | CY 2012-2018



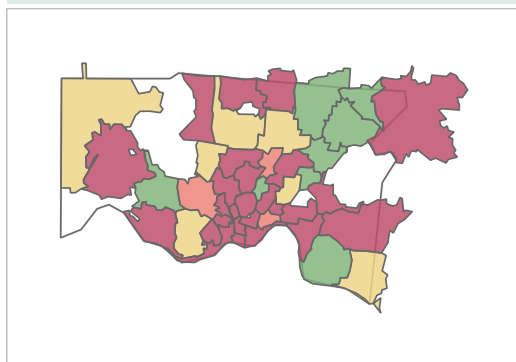
#### Map Measure Ranges

- $\geq 0 < 2.850\%$
- $\geq 2.850 < 2.963\%$
- $\geq 2.963 < 3.250\%$
- $\geq 3.250 < 3.605\%$
- $\geq 3.605\%$

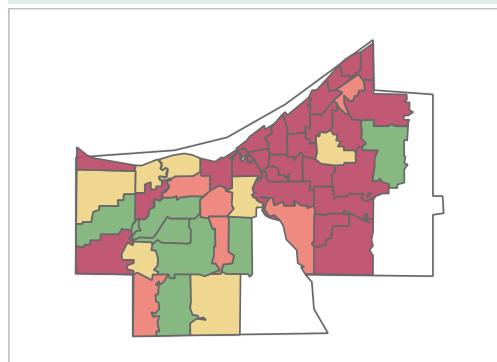
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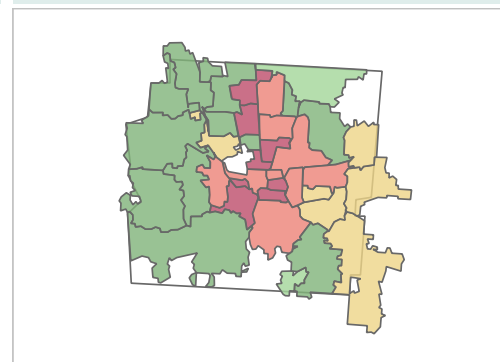
Hamilton



Cuyahoga

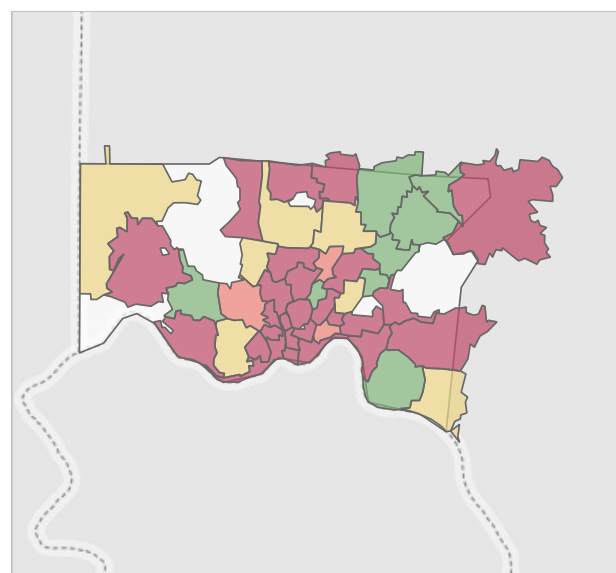
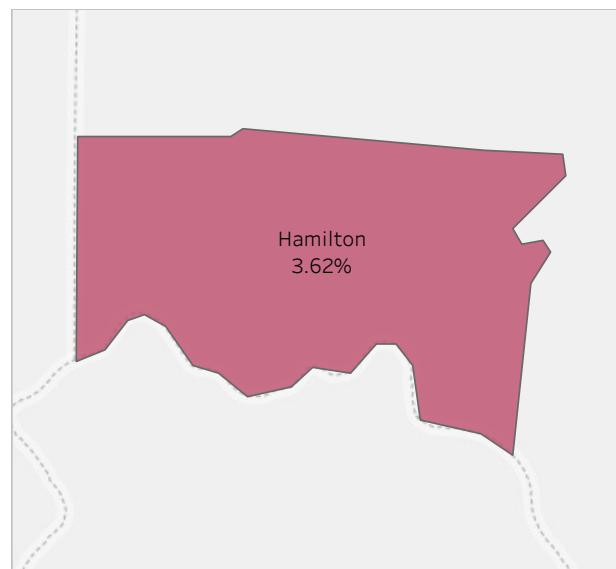
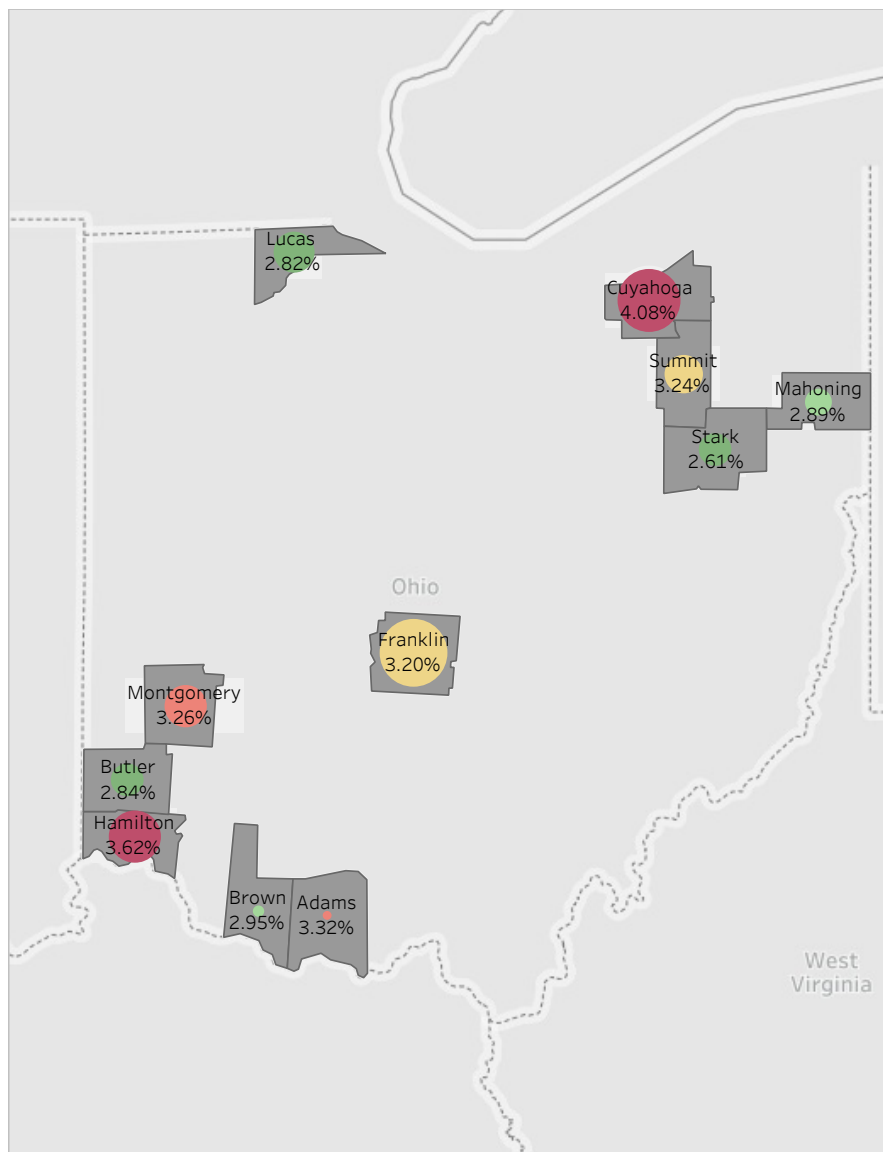


Franklin



## Hamilton County - Very Preterm Birth (%)

### OEI Quintiles | CY 2012-2018



#### Map Measure Ranges

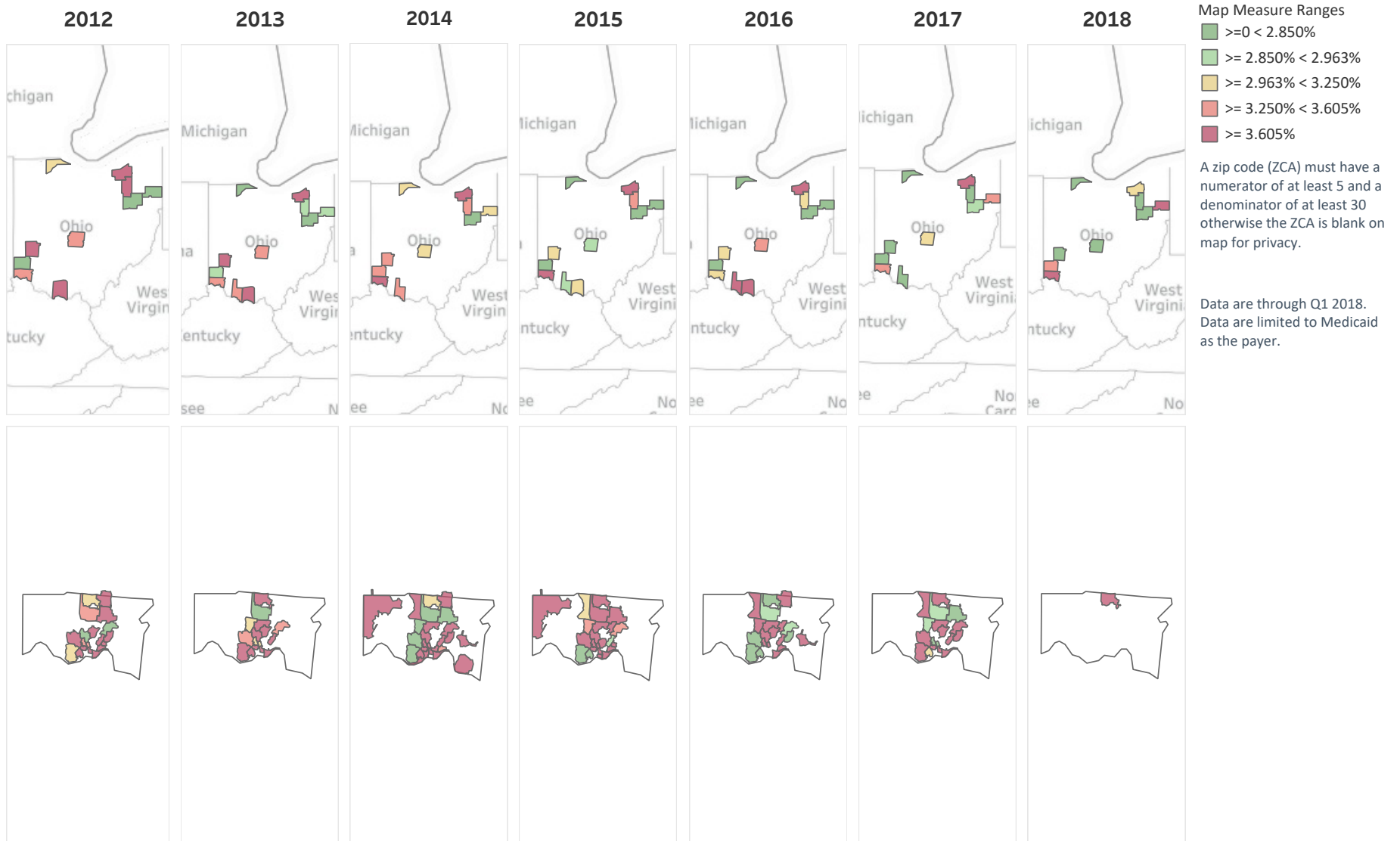
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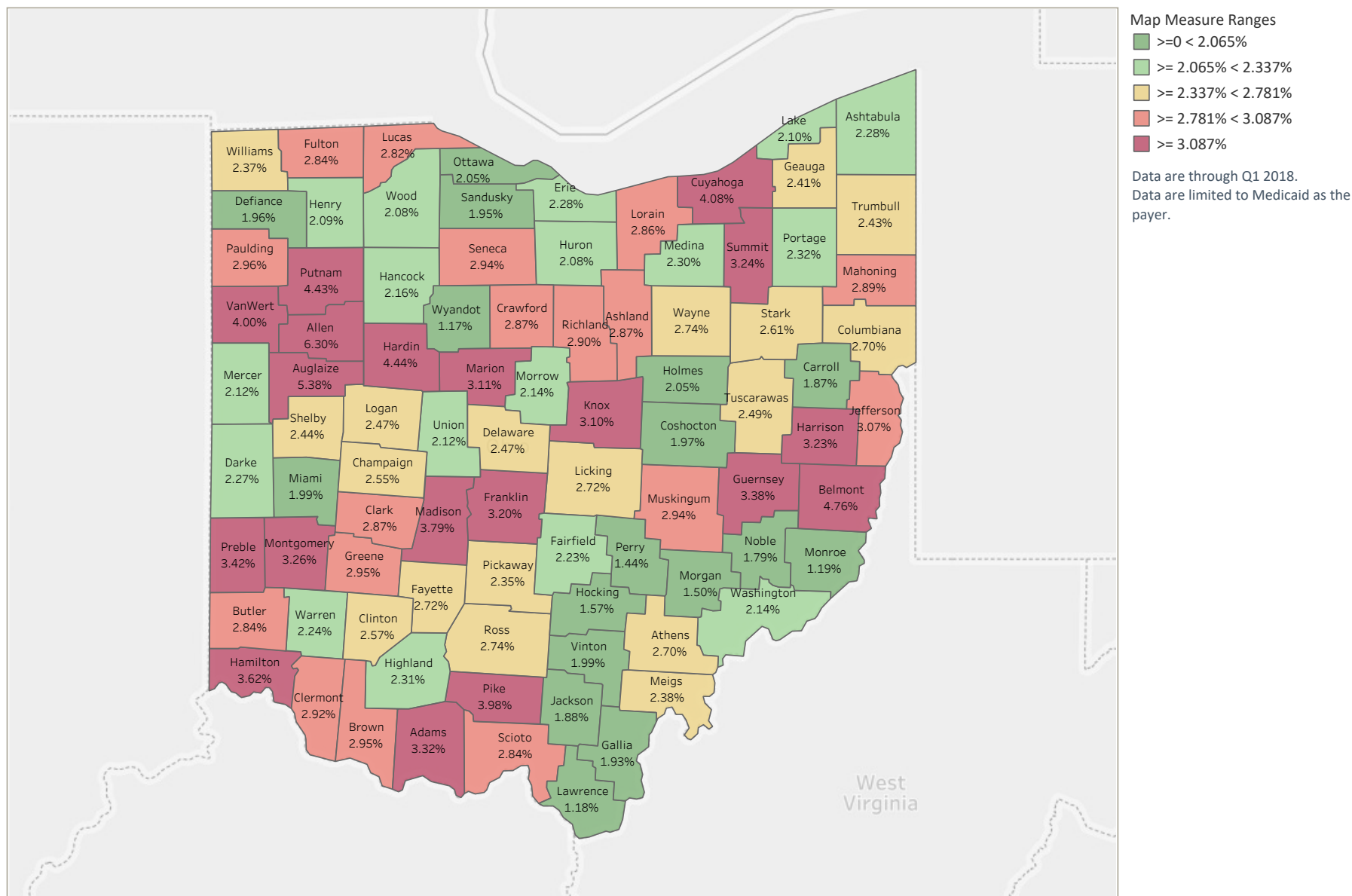
## Hamilton County - Very Preterm Birth (%)

### OEI Quintiles | CY 2012-2018 Yearly Comparison



## Statewide - Very Preterm Birth (%)

### Overall Quintiles by County | CY 2012 - 2018







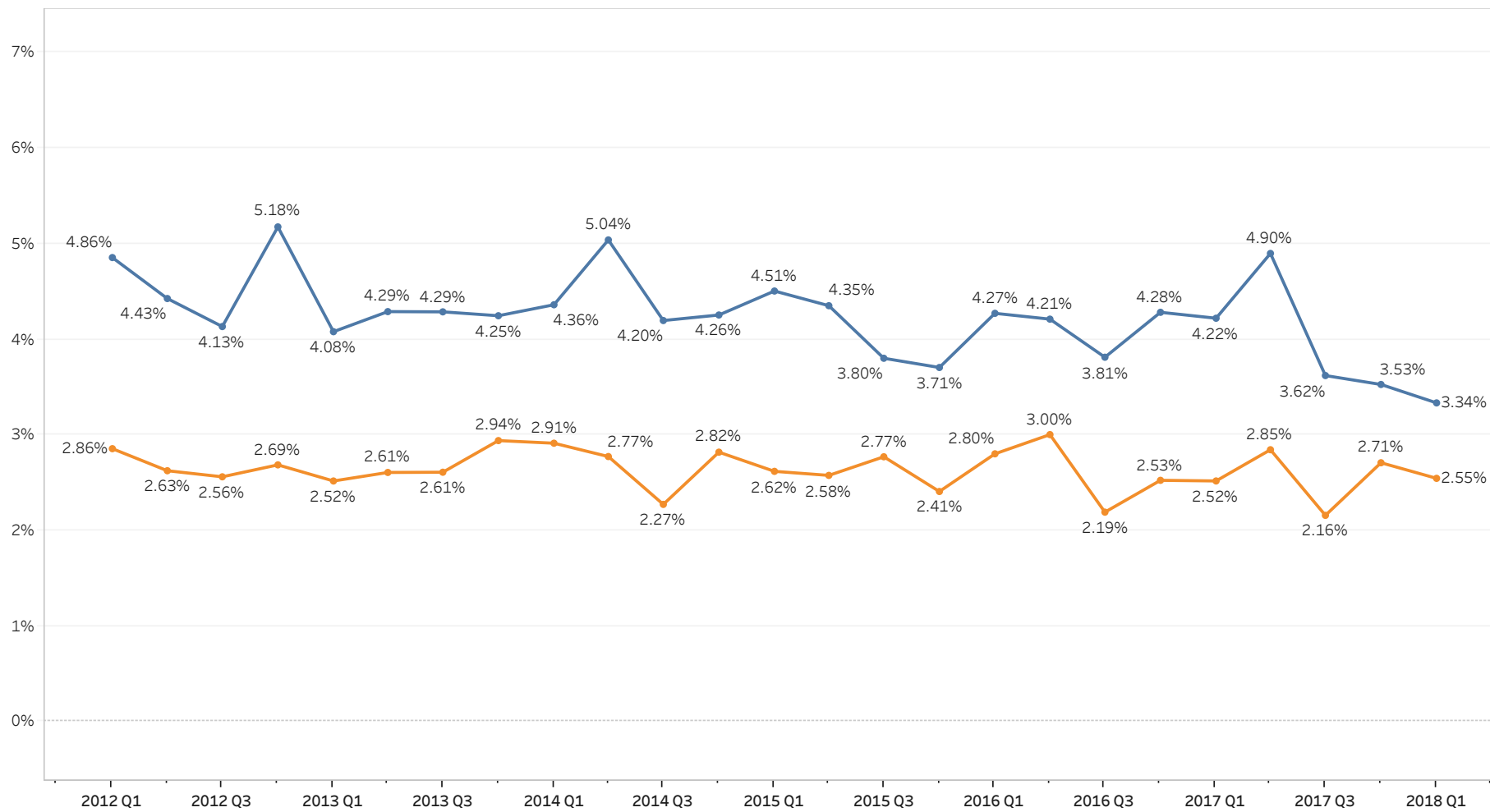
### Quarterly Trends by Race - Very Preterm Birth (%)

All OEI Counties | CY 2012-2018

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Very Preterm Birth (%) All OEI Counties | CY 2012-2018

Medicaid Plan

All Plans

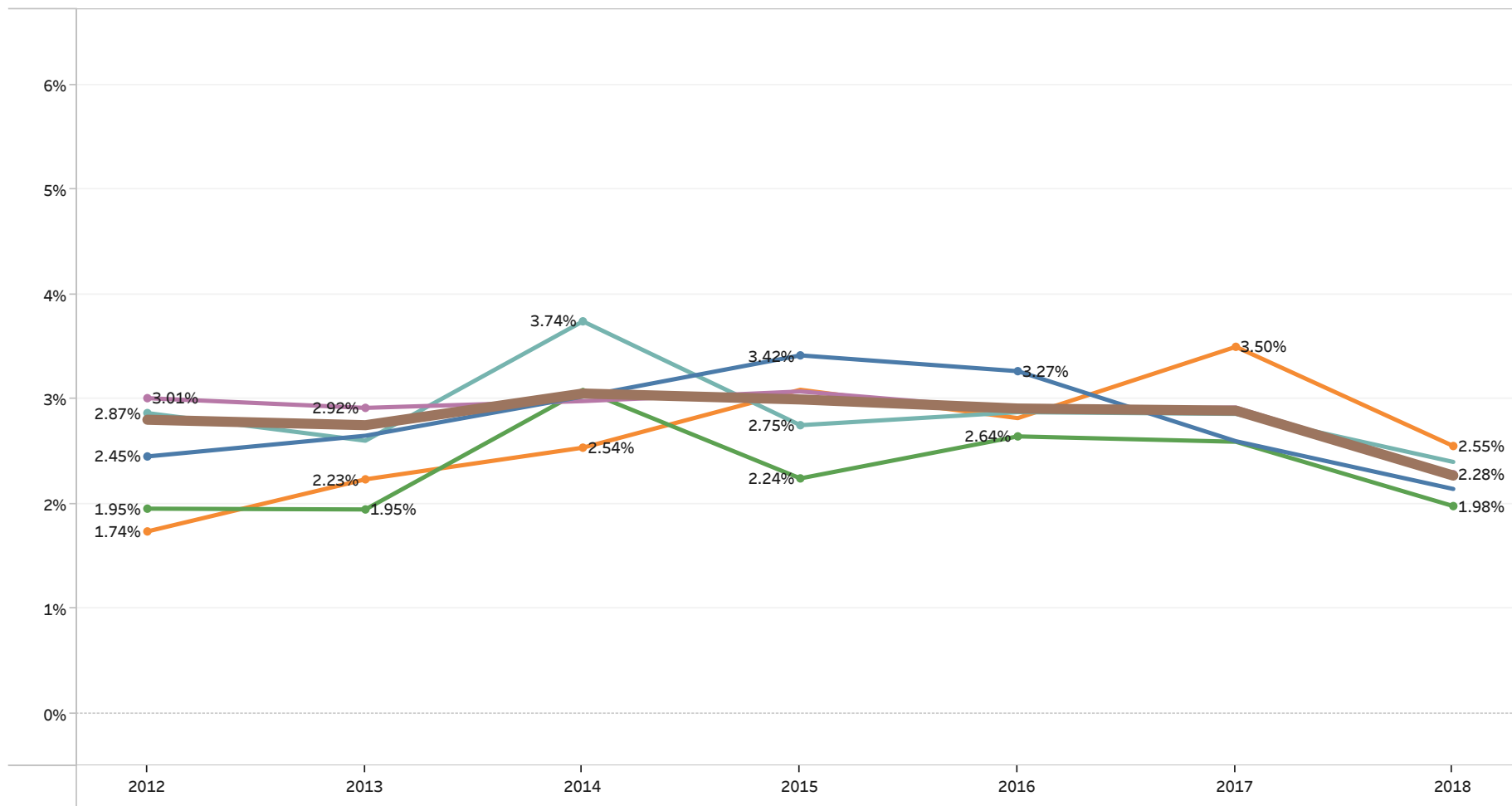
Buckeye

CareSource

Molina

Paramount

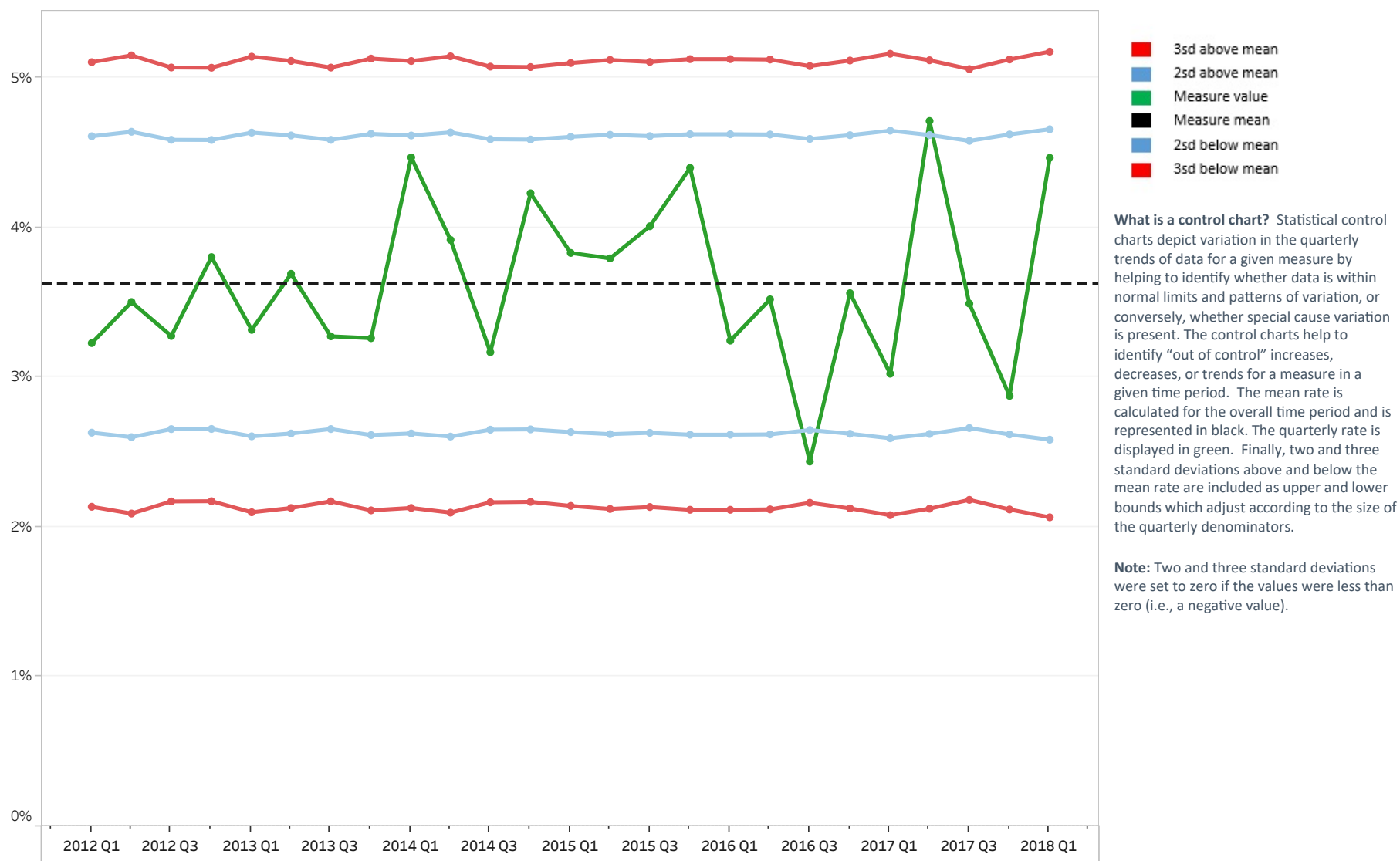
United



Data are through Q1 2018.

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## Hamilton County Quarterly Control Chart - Very Preterm Birth (%) CY 2012-2018



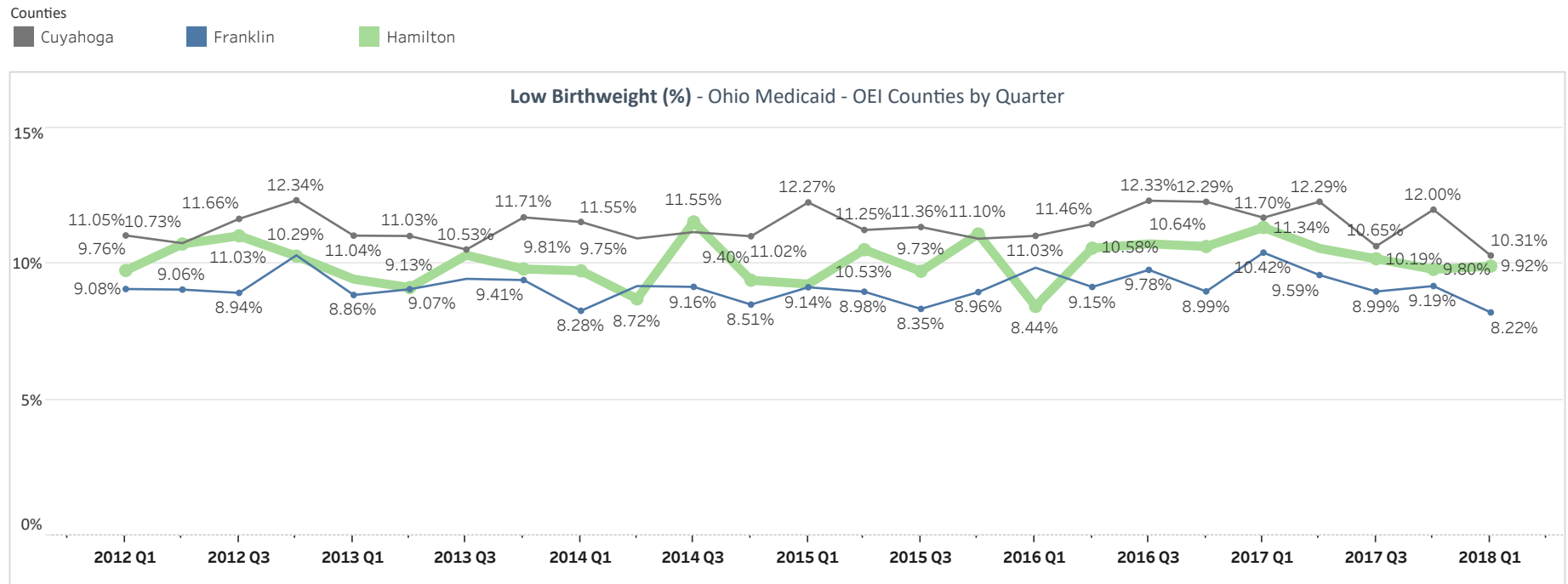
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## Low Birthweight (%)

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

### Trends by Quarter | CY 2012-2018

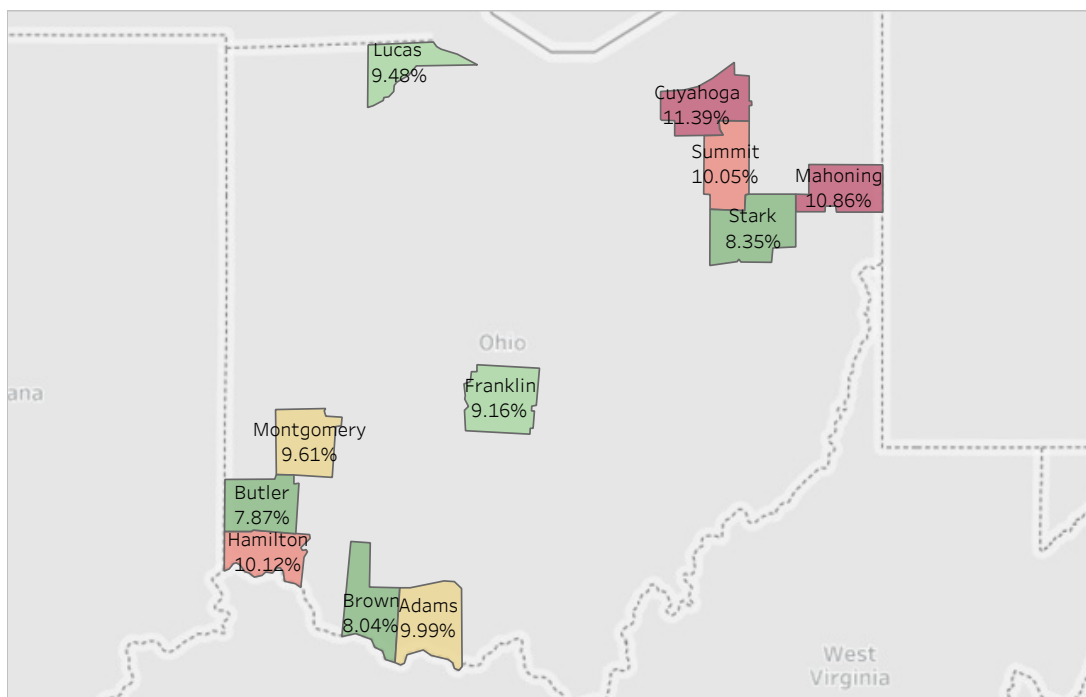


County	LBW Rate Aggregate Q1 2012 - Q1 2018	LBW Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	11.39%	11.31%	From 945 to 897 LBW Infants
Hamilton	10.12%	10.12%	From 577 to 540 LBW Infants
Franklin	9.16%	9.01%	From 885 to 838 LBW Infants

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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

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

### OEI County Quintiles | CY 2012-2018



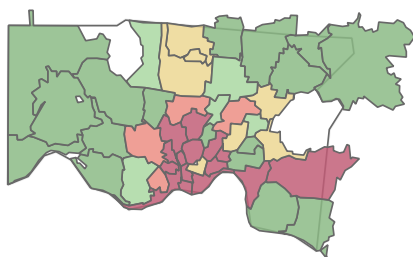
#### Map Measure Ranges

- >= 0 < 8.356%
- >= 8.356% < 9.494%
- >= 9.494% < 10.038%
- >= 10.038% < 10.851%
- >= 10.851%

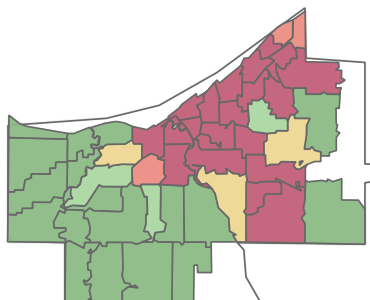
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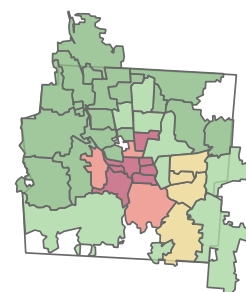
#### Hamilton



#### Cuyahoga

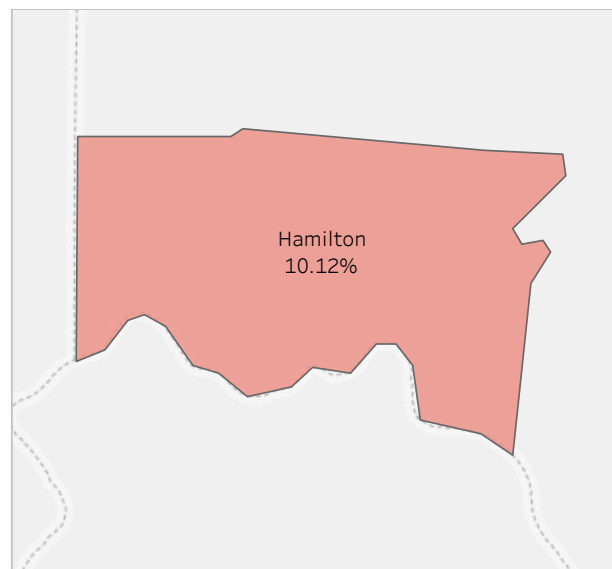
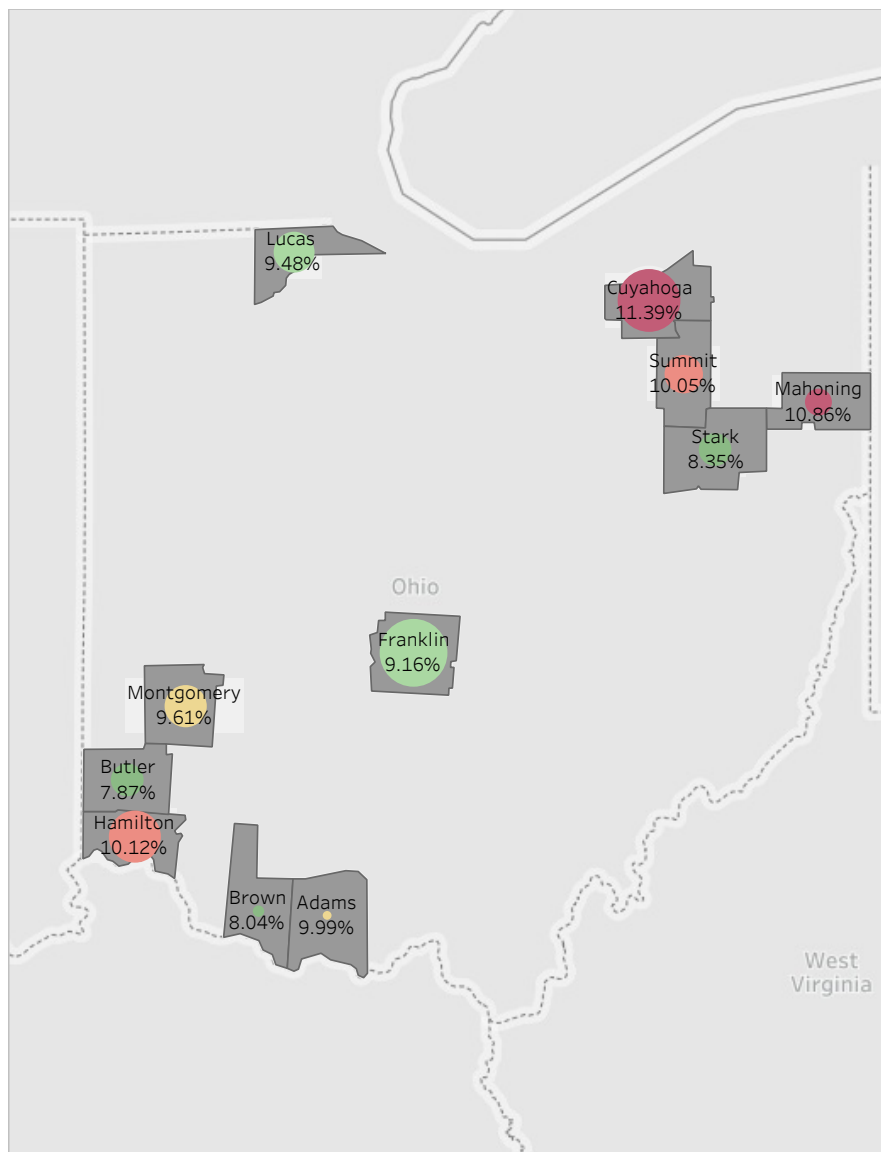


#### Franklin



## Hamilton County - Low Birthweight (%)

### OEI Quintiles | CY 2012-2018

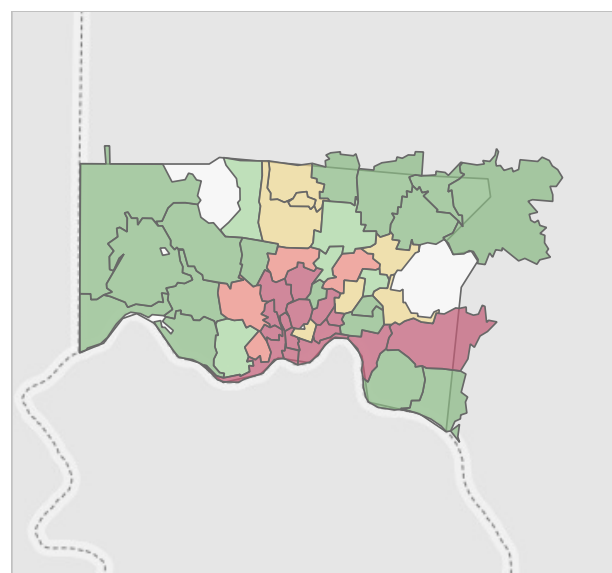


#### Map Measure Ranges

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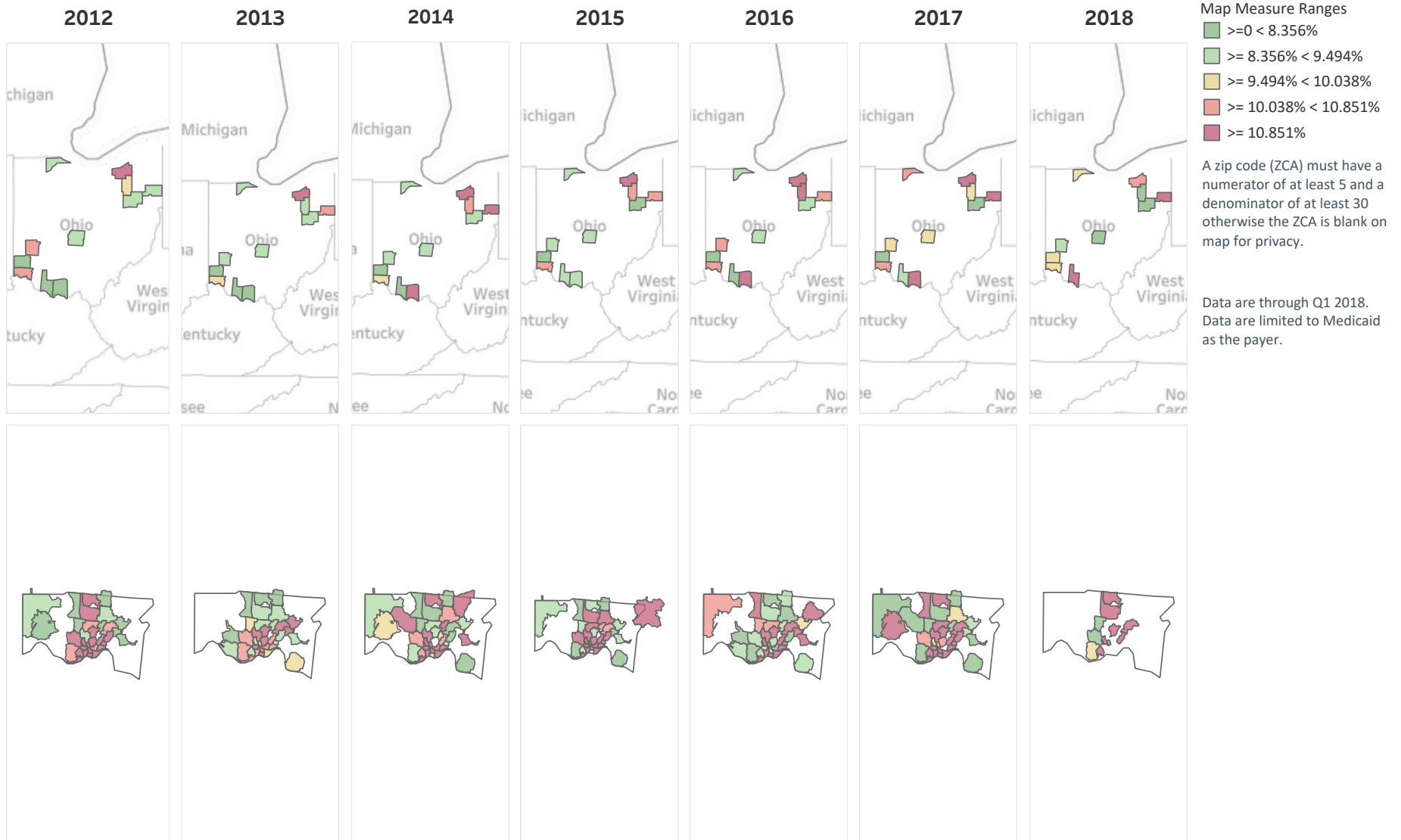
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## Hamilton County - Low Birthweight (%)

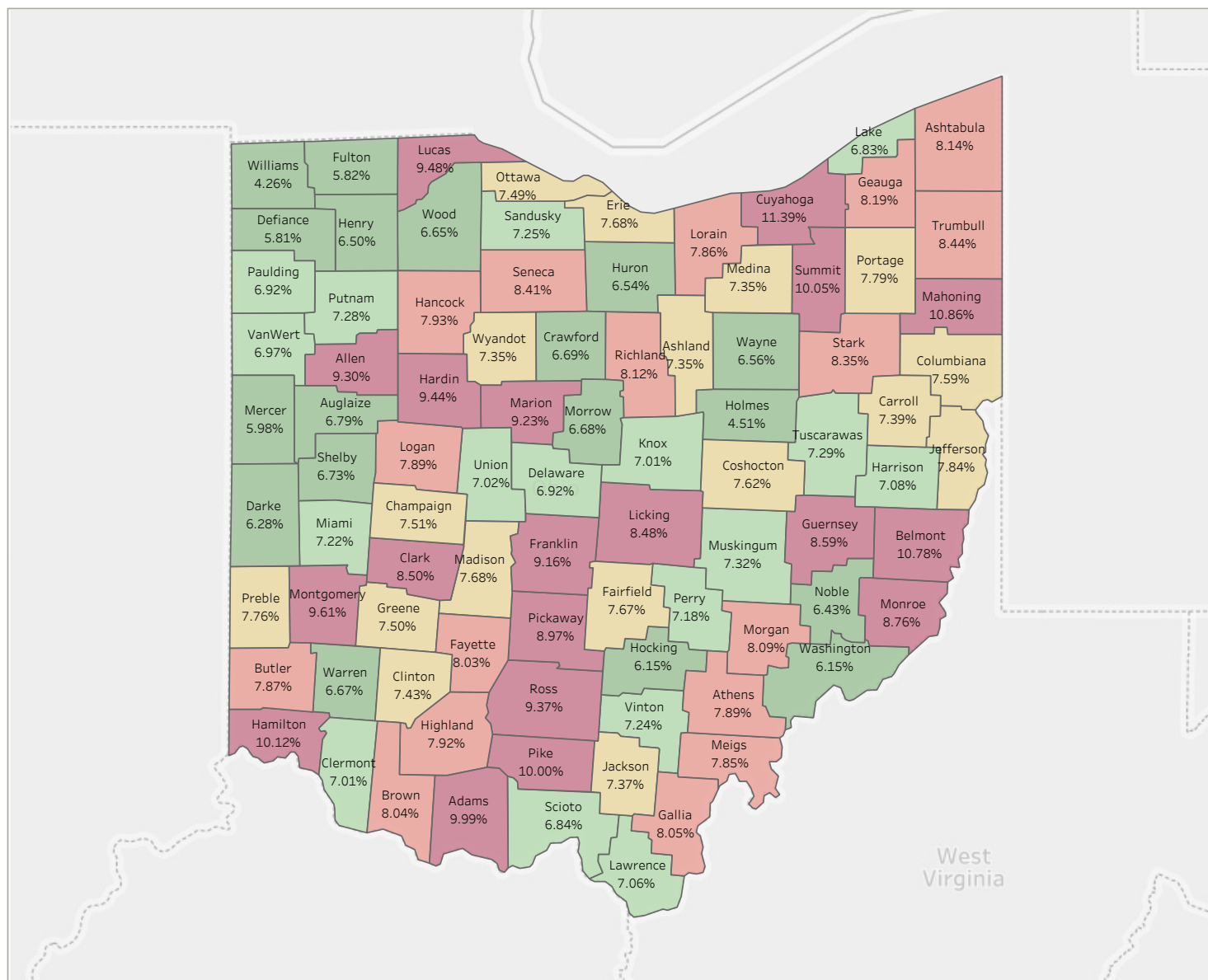
### OEI Quintiles | CY 2012-2018 Yearly Comparison





## Statewide - Low Birthweight (%)

### Overall Quintiles by County | CY 2012 - 2018



#### Map Measure Ranges

- >=0 < 6.810%
- >= 6.810% < 7.332%
- >= 7.332% < 7.849%
- >= 7.849% < 8.463%
- >= 8.463%

Data are through Q1 2018.

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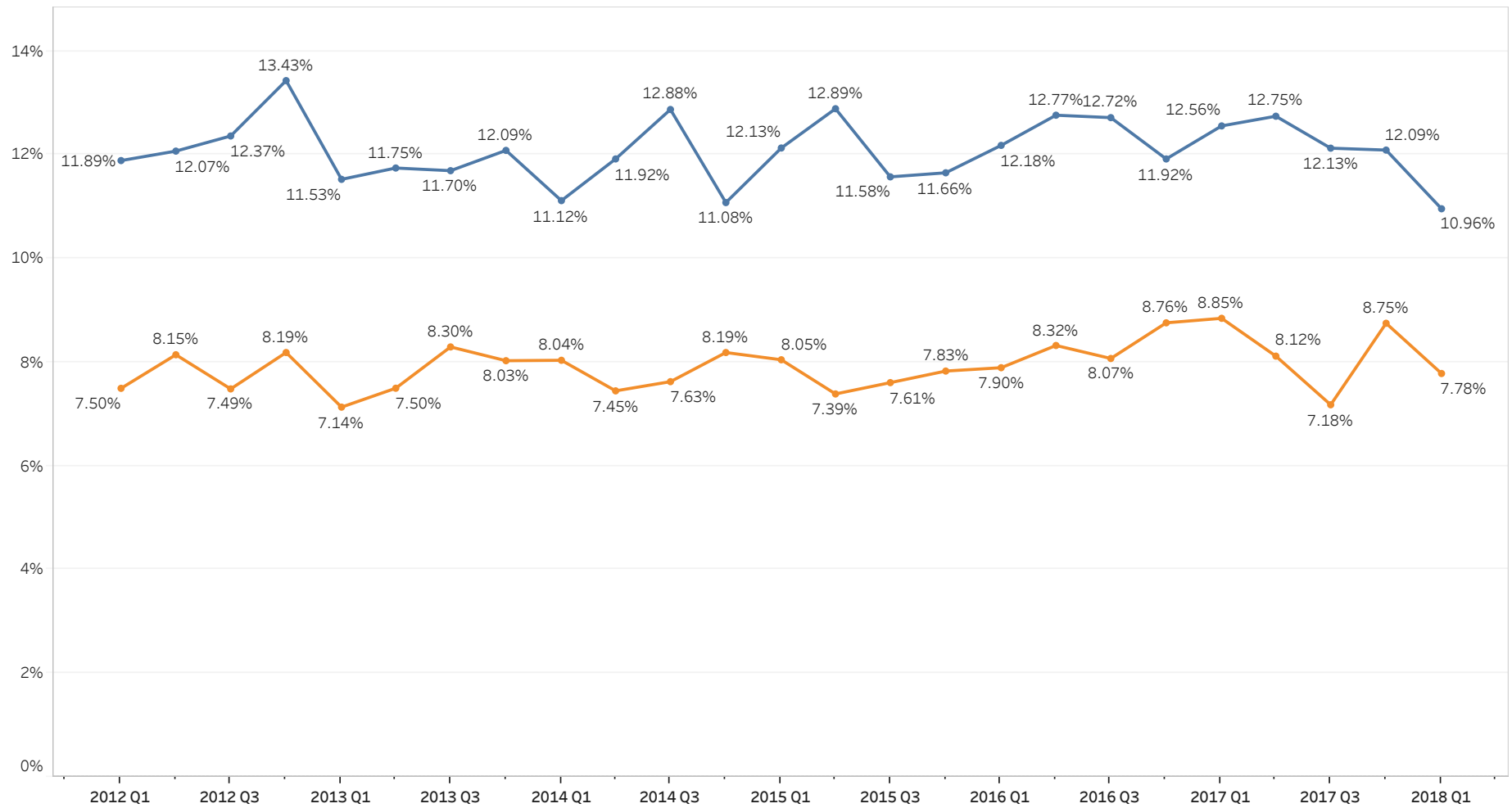
## Quarterly Trends by Race - Low Birthweight (%)

All OEI Counties | CY 2012-2018

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Low Birthweight (%) All OEI Counties | CY 2012-2018

Medicaid Plan

All Plans

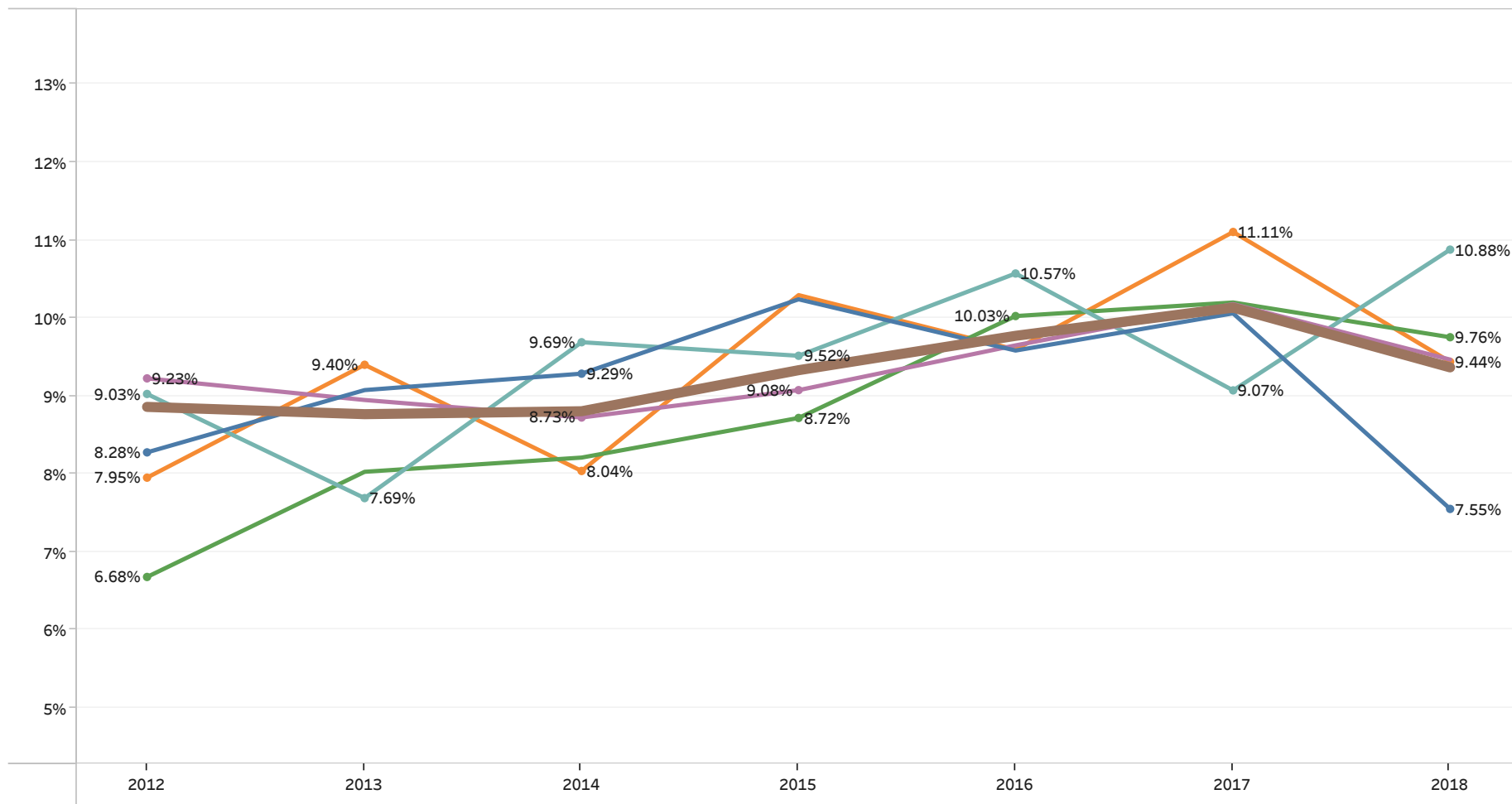
Buckeye

CareSource

Molina

Paramount

United



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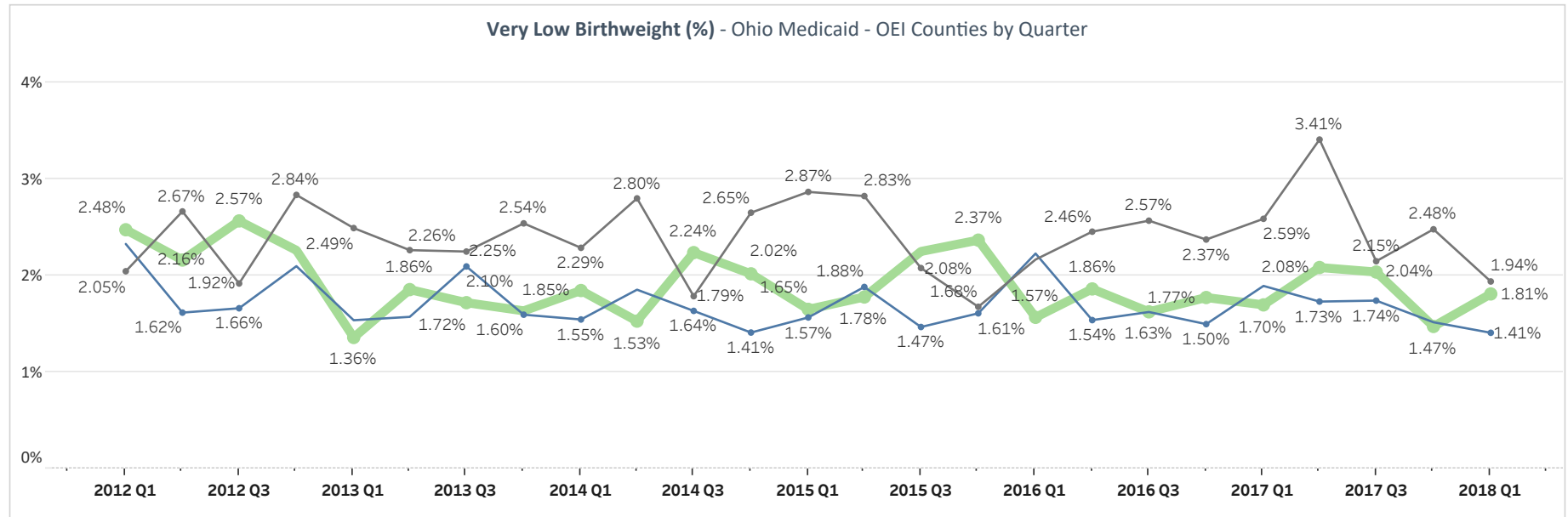
## Very Low Birthweight (%)

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

### Trends by Quarter | CY 2012-2018

Counties

■ Cuyahoga ■ Franklin ■ Hamilton

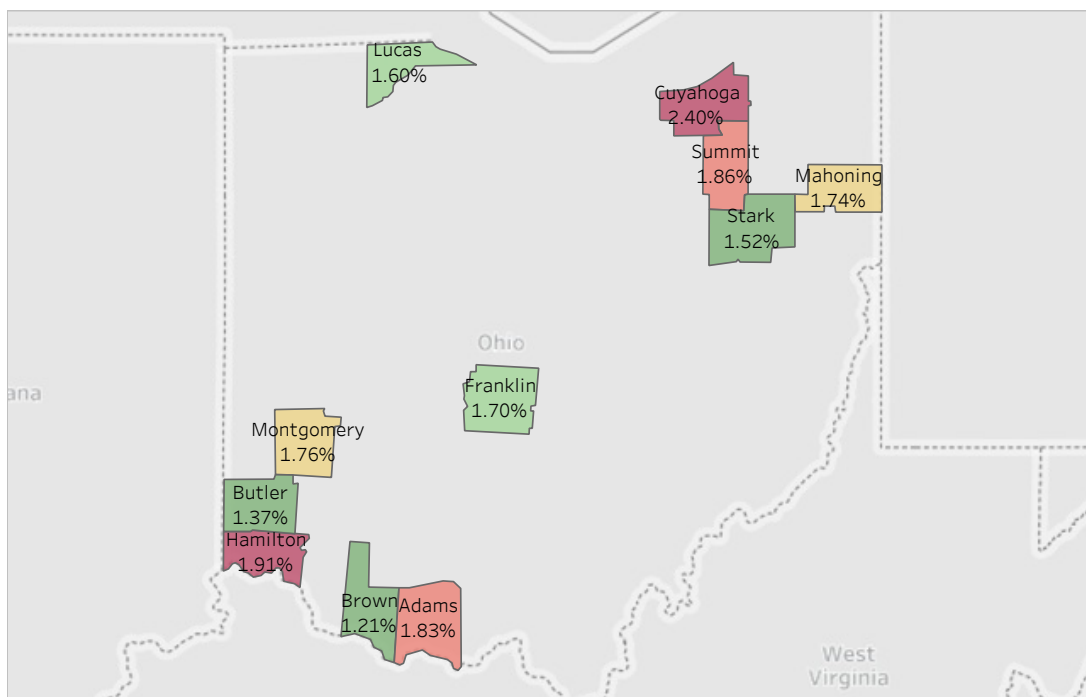


County	VLBW Aggregate Rate Q1 2012 - Q1 2018	VLBW Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	2.40%	2.49%	From 199 to 176 VLBW Infants
Hamilton	1.91%	1.86%	From 109 to 92 VLBW Infants
Franklin	1.70%	1.60%	From 165 to 144 VLBW Infants

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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

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

### OEI County Quintiles | CY 2012-2018



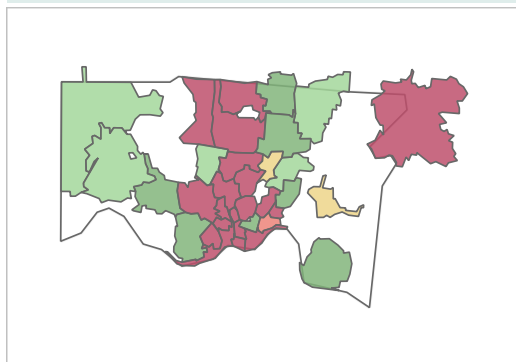
#### Map Measure Ranges

- $\geq 0 < 1.531\%$
- $\geq 1.531\% < 1.714\%$
- $\geq 1.714\% < 1.825\%$
- $\geq 1.825\% < 1.901\%$
- $\geq 1.901\%$

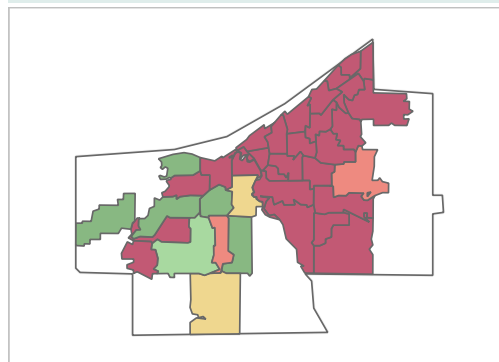
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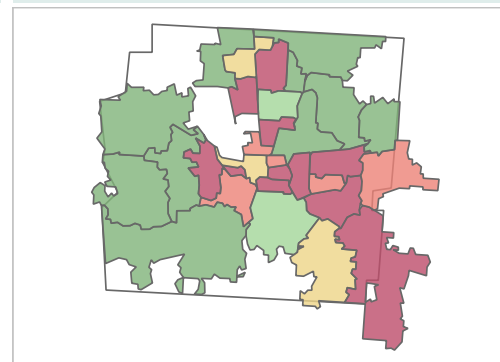
Hamilton



Cuyahoga

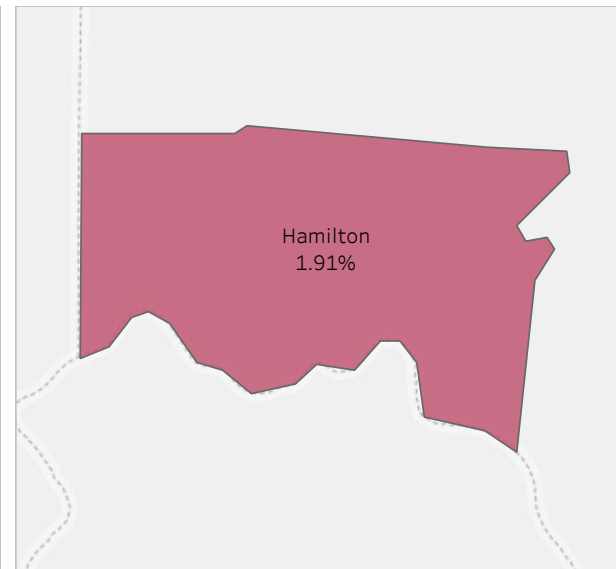
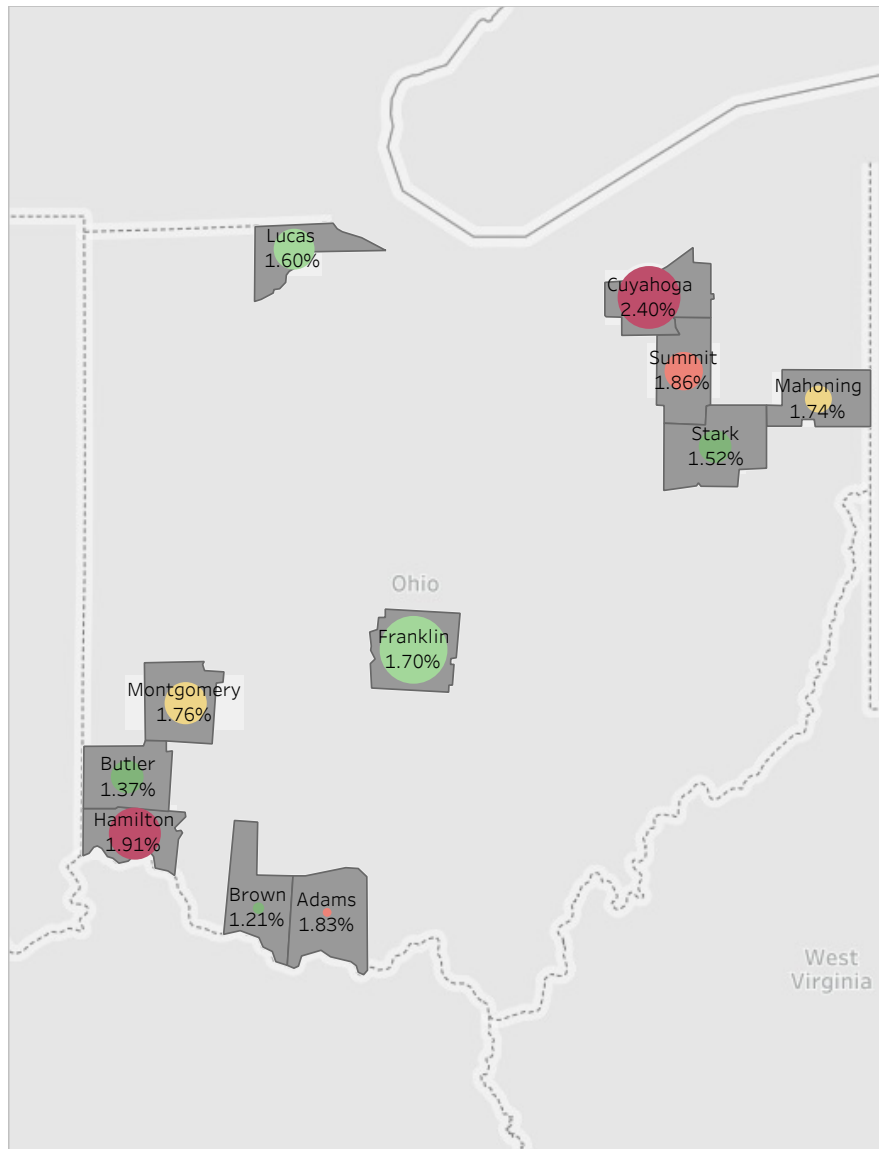


Franklin



## Hamilton County - Very Low Birthweight (%)

OEI Quintiles | CY 2012-2018

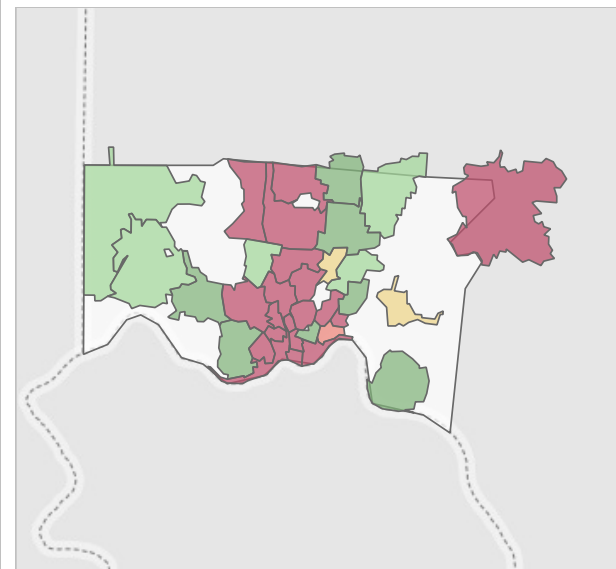


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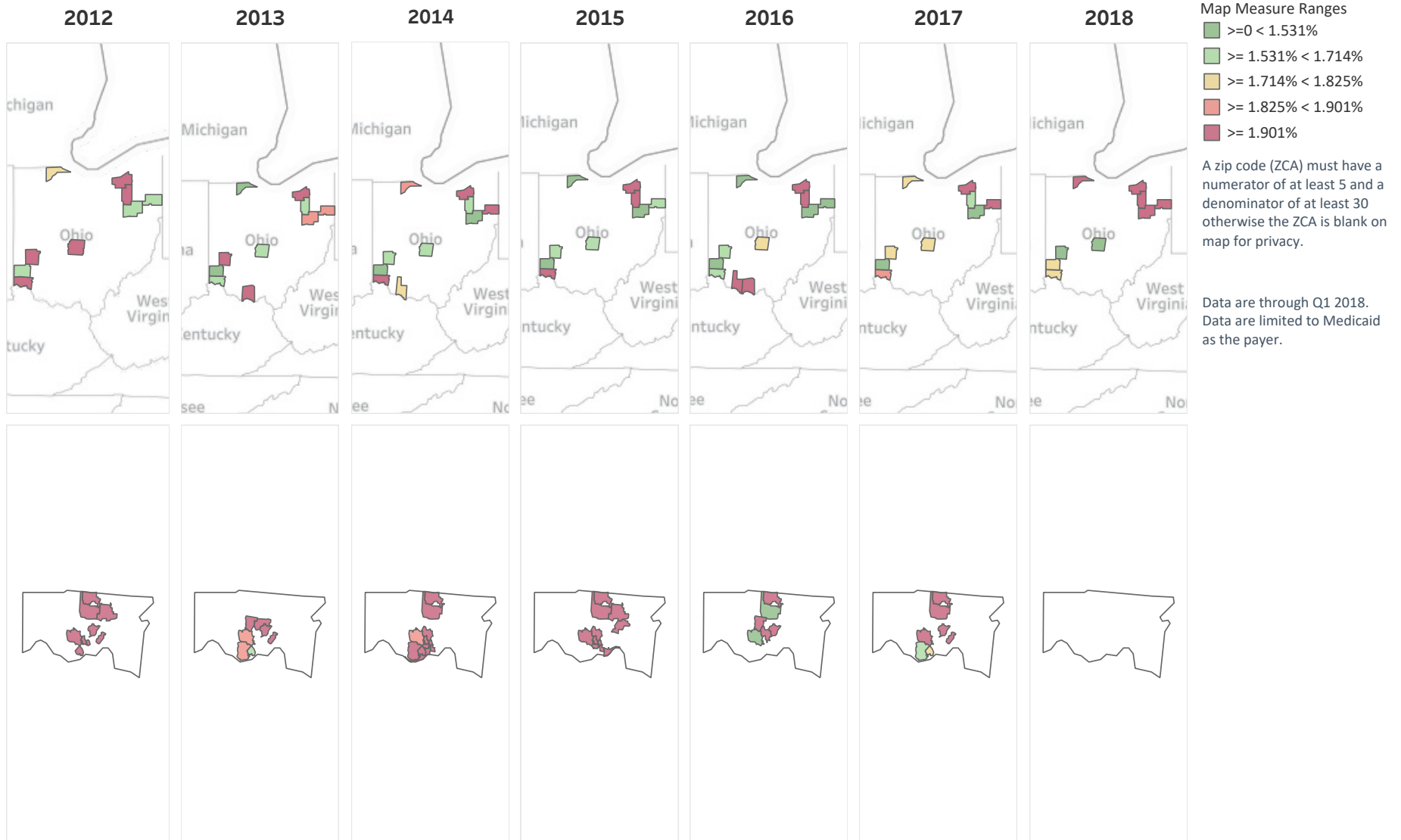
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## Hamilton County - Very Low Birthweight (%)

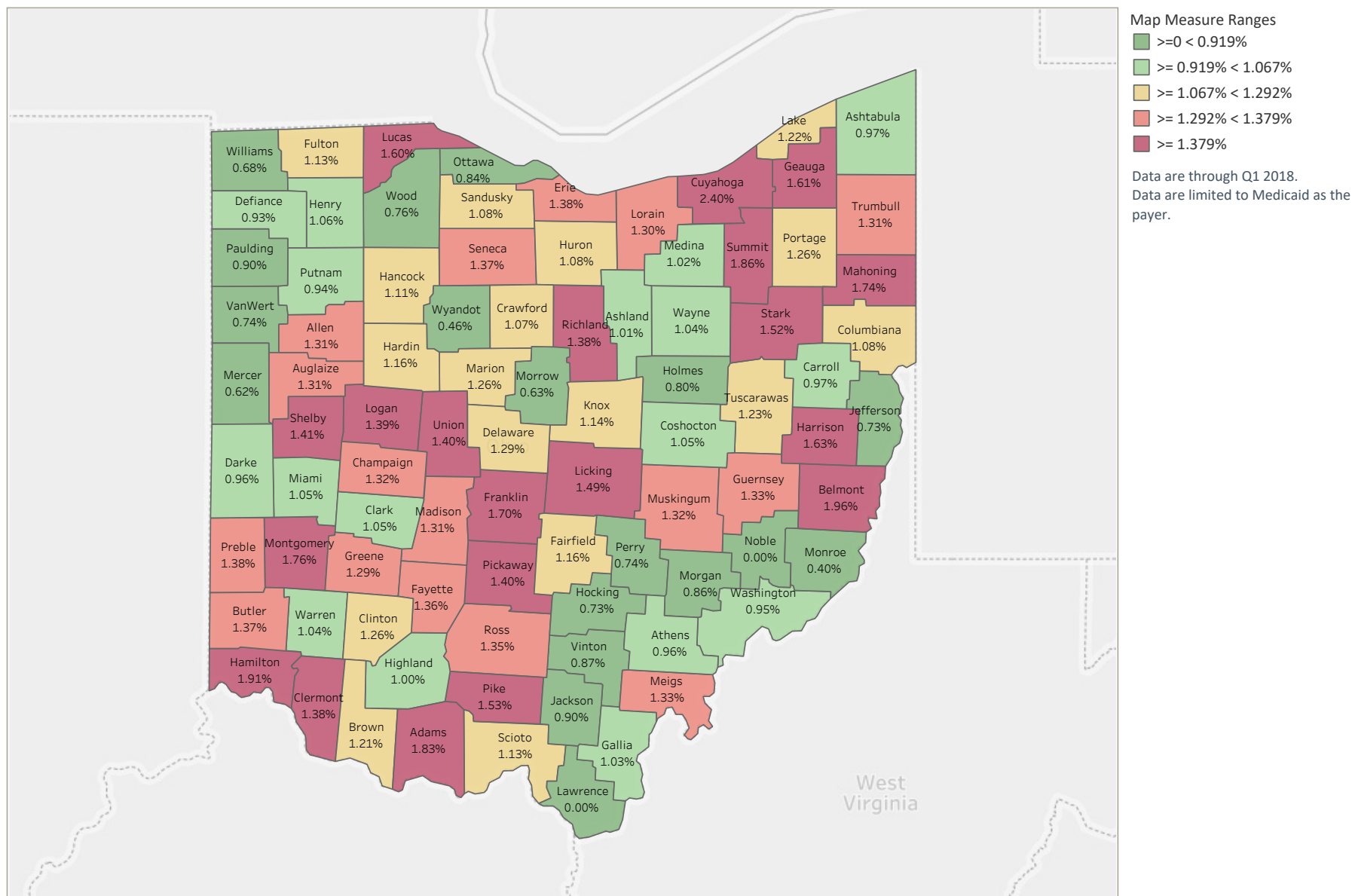
### OEI Quintiles | CY 2012-2018 Yearly Comparison





## Statewide - Very Low Birthweight (%)

### Overall Quintiles by County | CY 2012 - 2018





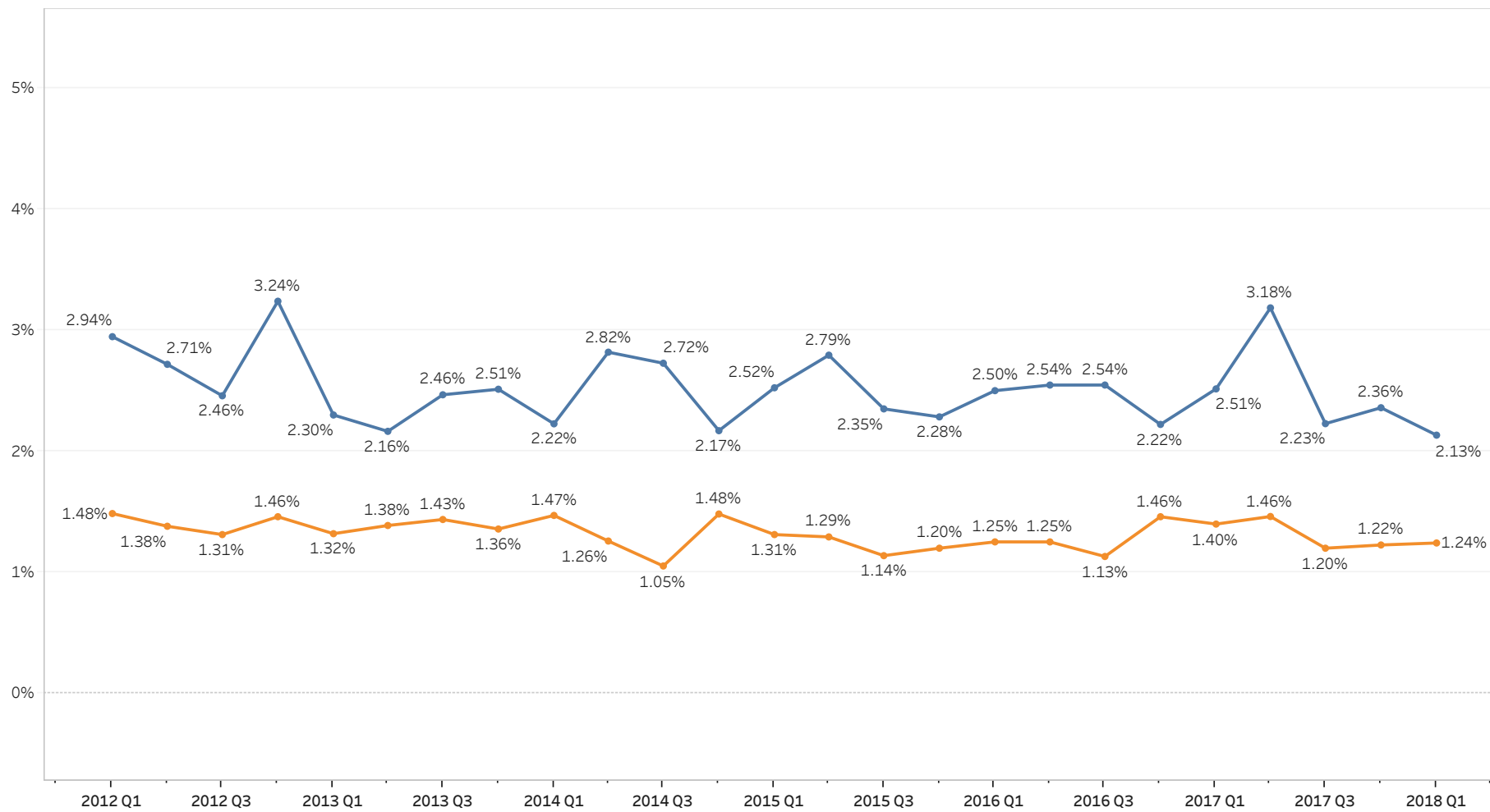
## Quarterly Trends by Race - Very Low Birthweight (%)

All OEI Counties | CY 2012-2018

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Very Low Birthweight (%) All OEI Counties | CY 2012-2018

Medicaid Plan  
All Plans

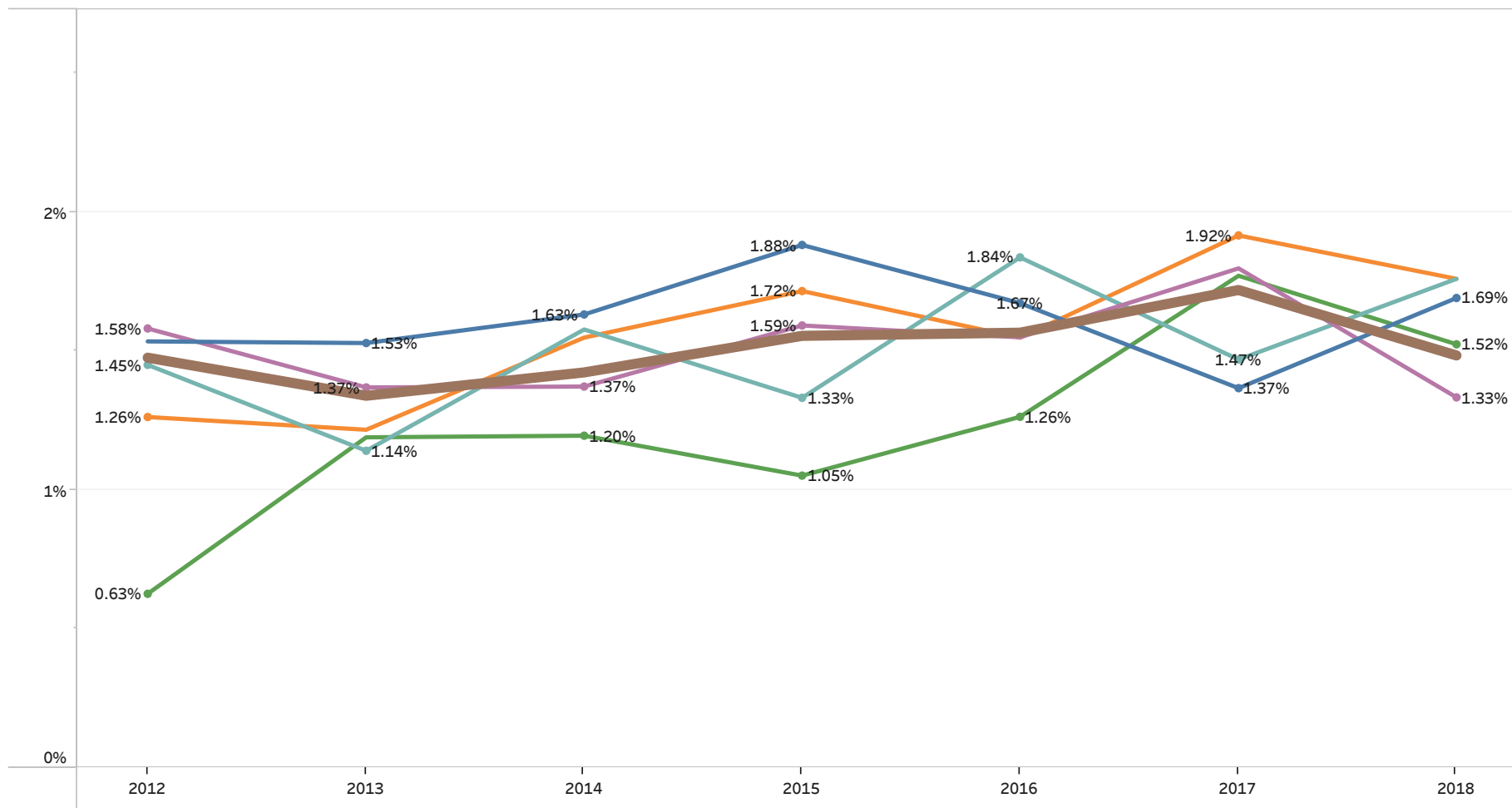
Buckeye

CareSource

Molina

Paramount

United



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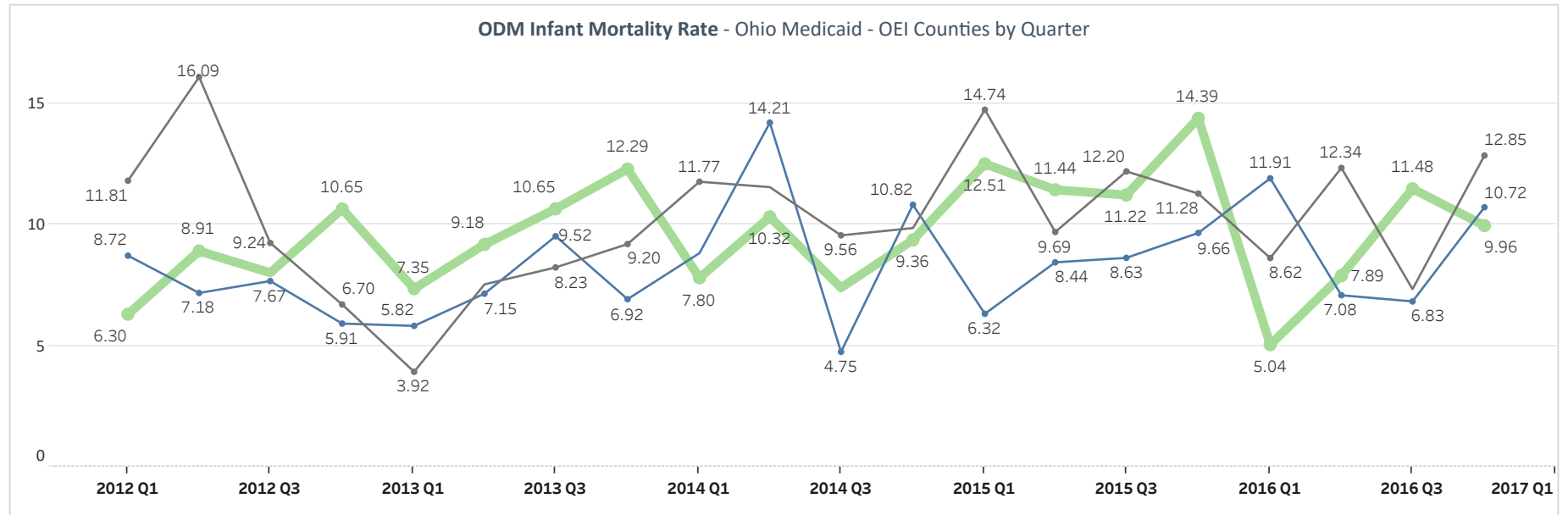


## **Infant Mortality Rate (ODM Cohort Method Using ODM Data)**

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

Counties

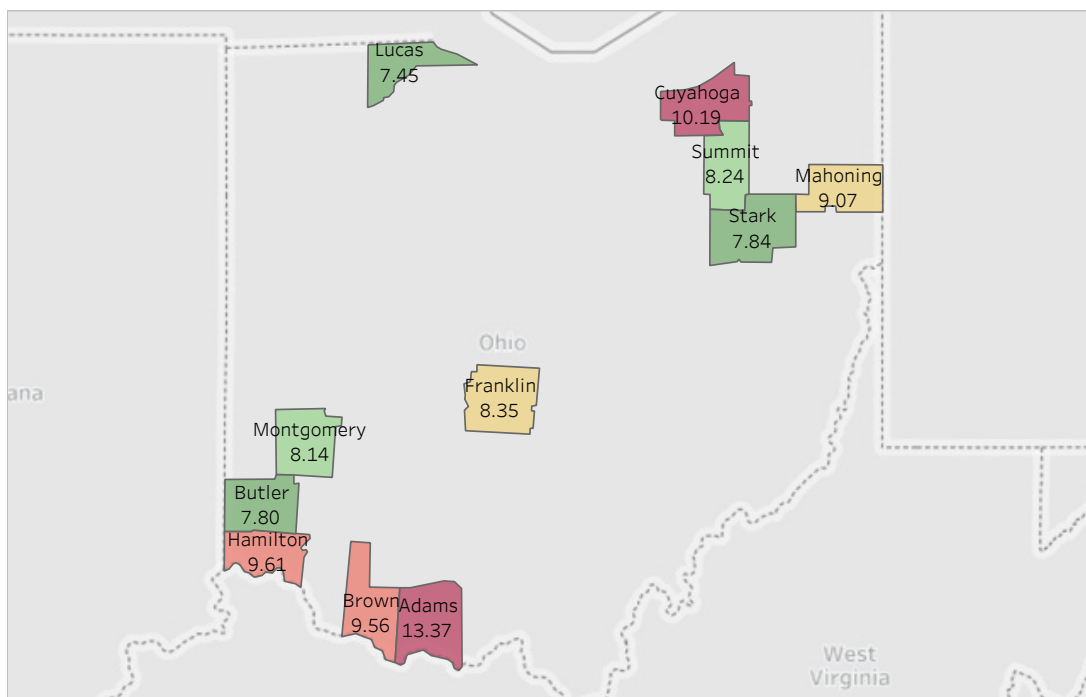
■ Cuyahoga ■ Franklin ■ Hamilton



County	Infant Mortality Aggregate Rate Q1 2012 - Q4 2016	Infant Mortality Current Rate Q1 2016 - Q4 2016	Annual Target for Real Impact*
Cuyahoga	10.19	10.22	From 89 to 74 Deaths
<b>Hamilton</b>	9.61	8.64	From 58 to 45 Deaths
Franklin	8.35	9.09	From 84 to 69 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 – Q4 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 Q4 2016. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

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



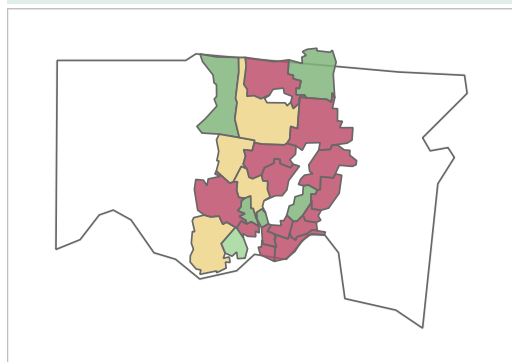
### Map Measure Ranges

- >= 0 < 7.849
- >= 7.849 < 8.249
- >= 8.249 < 9.549
- >= 9.549 < 10.183
- >= 10.183

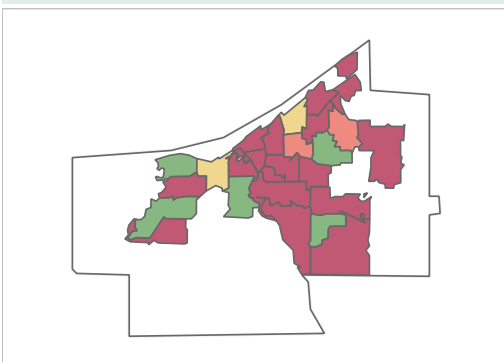
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q4 2016.  
Data are limited to Medicaid as the payer.

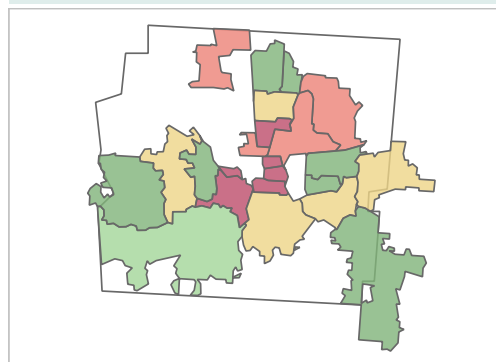
### Hamilton



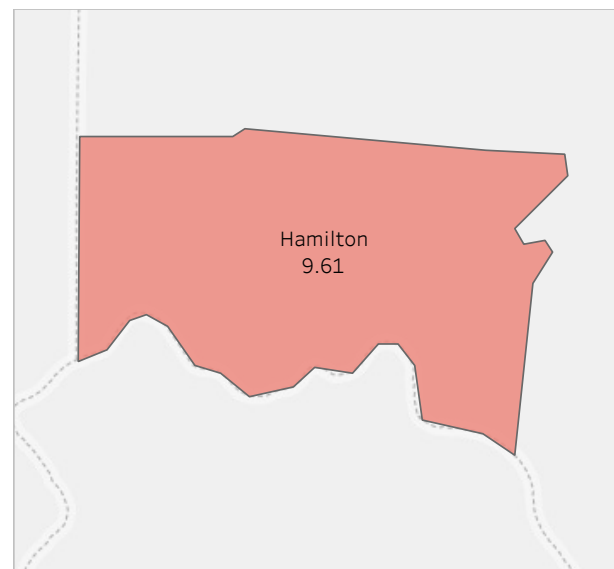
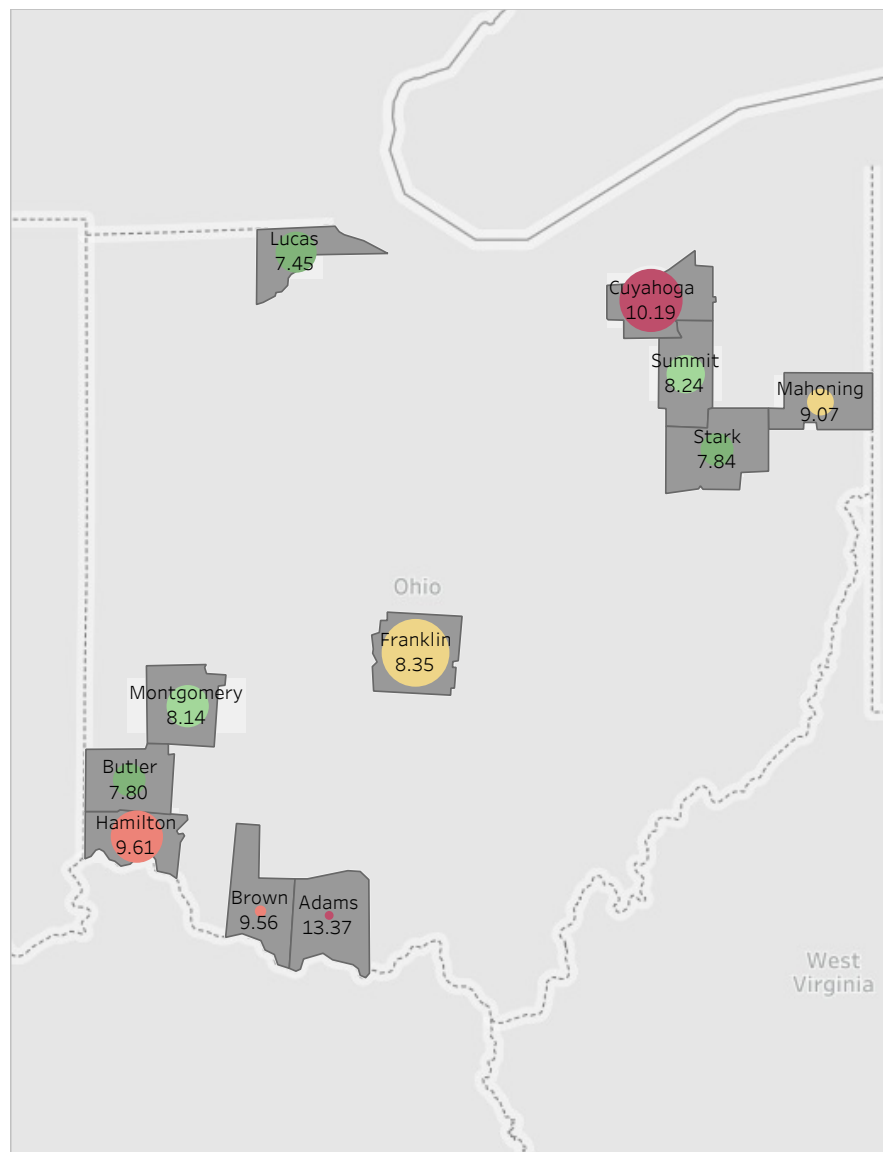
### Cuyahoga



### Franklin



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

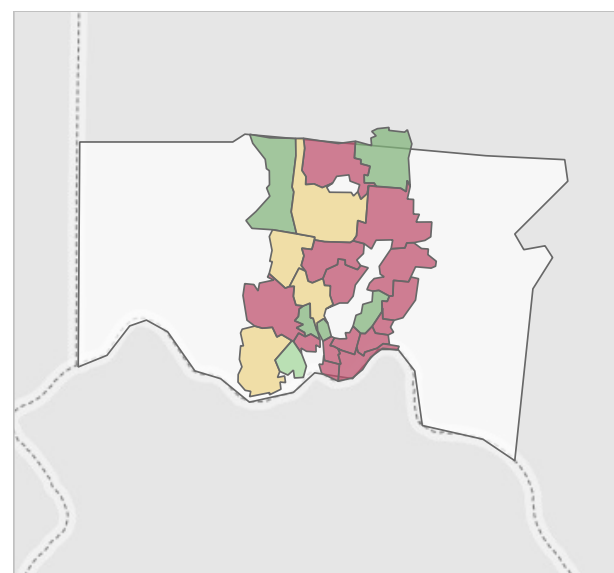


### Map Measure Ranges

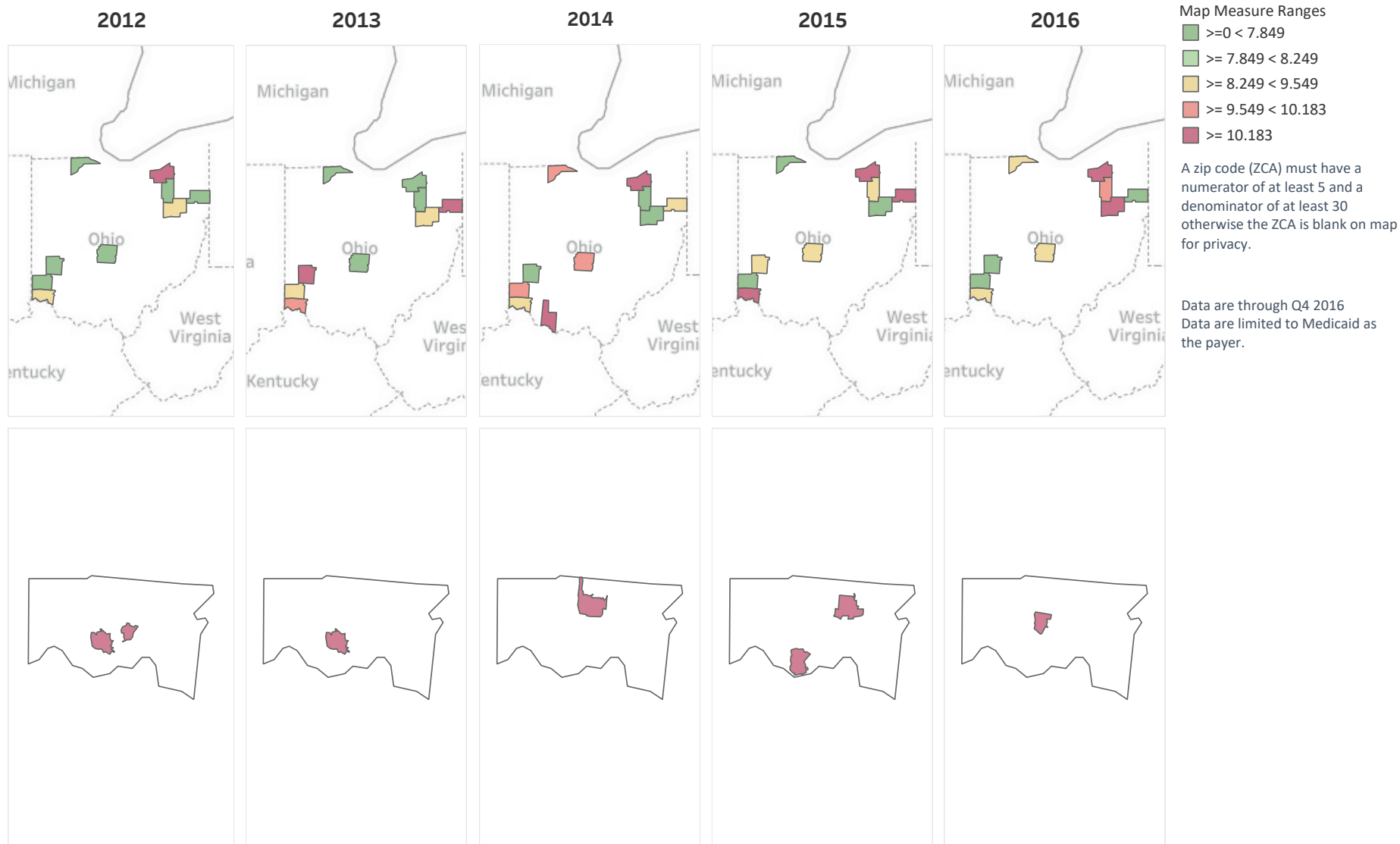
- $\geq 0 < 7.849$
- $\geq 7.849 < 8.249$
- $\geq 8.249 < 9.549$
- $\geq 9.549 < 10.183$
- $\geq 10.183$

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 2016.  
Data are limited to Medicaid as the payer.

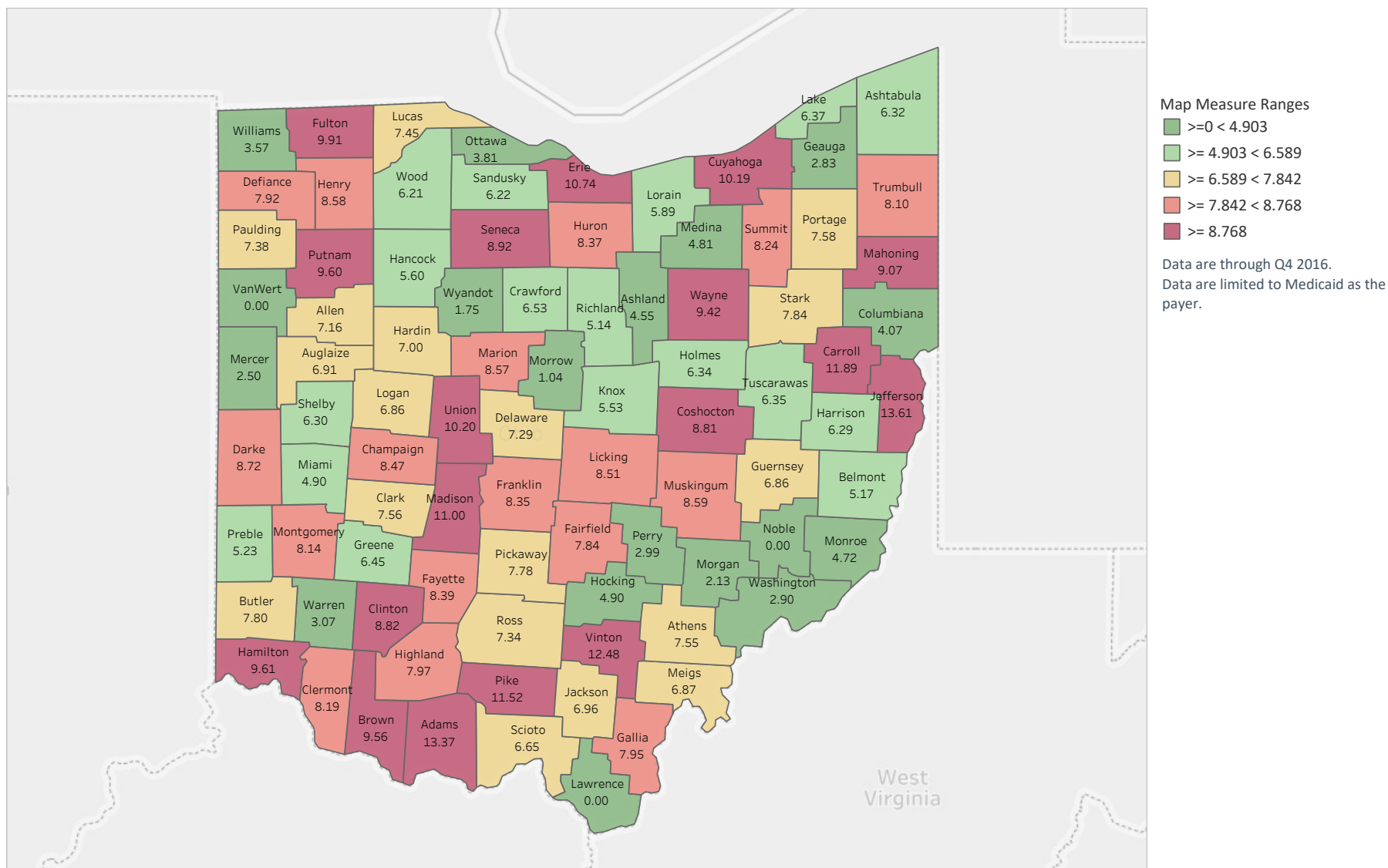


## Hamilton County - ODM Infant Mortality Rate OEI Quintiles | CY 2012-2016 Yearly Comparison





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



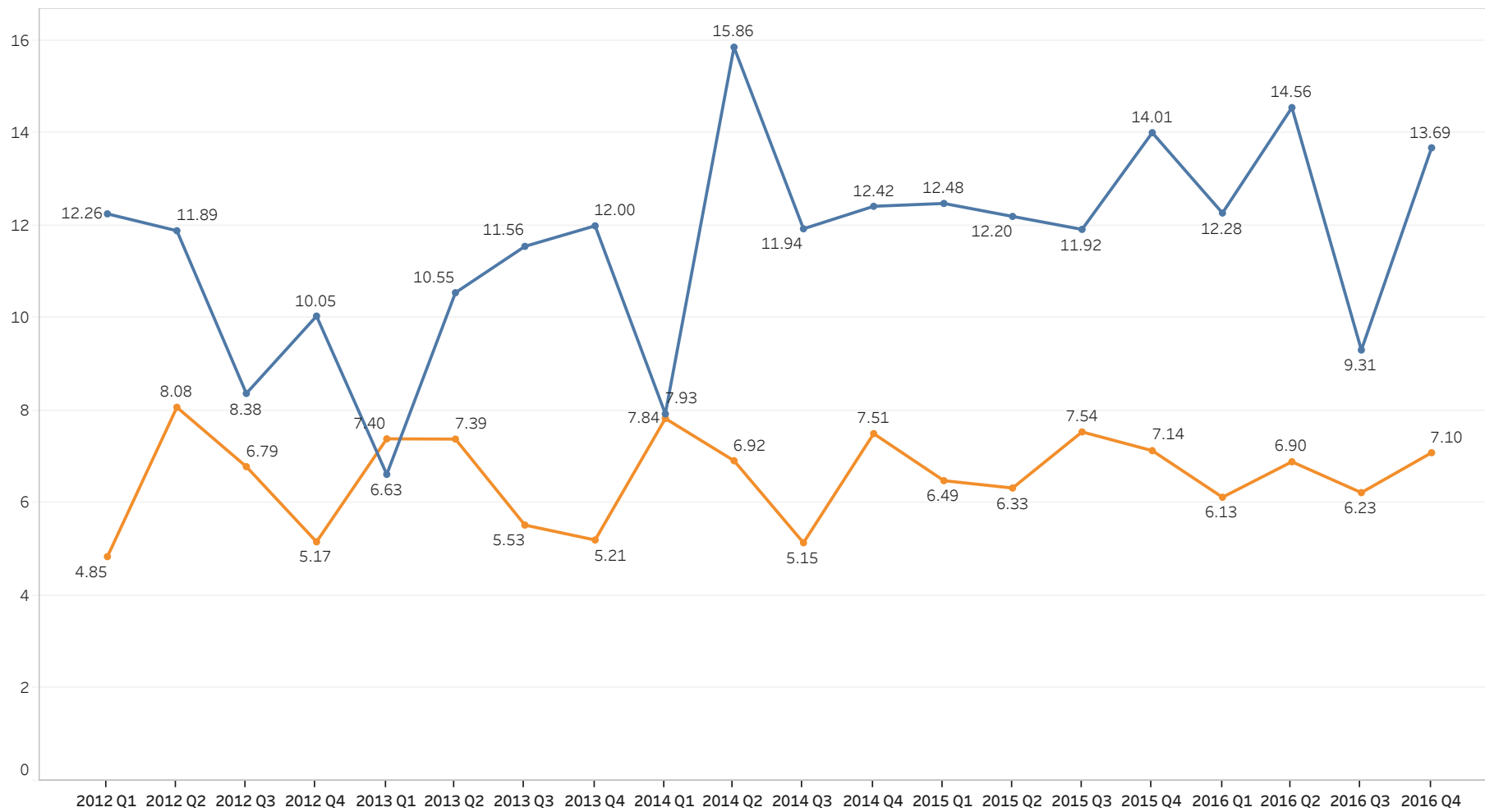


## Quarterly Trends by Race - ODM Infant Mortality Rate All OEI Counties | CY 2012-2016

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

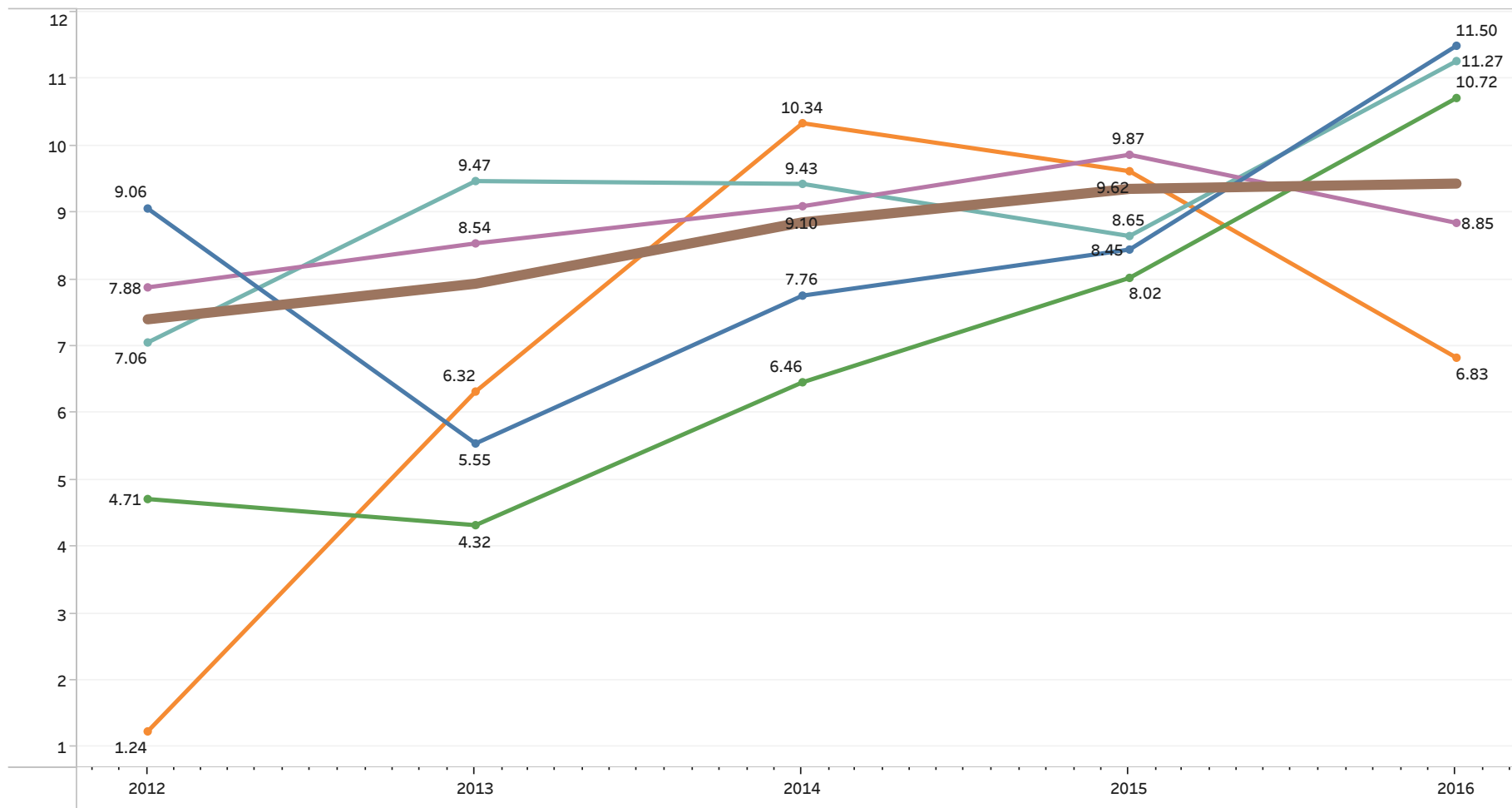
Buckeye

CareSource

Molina

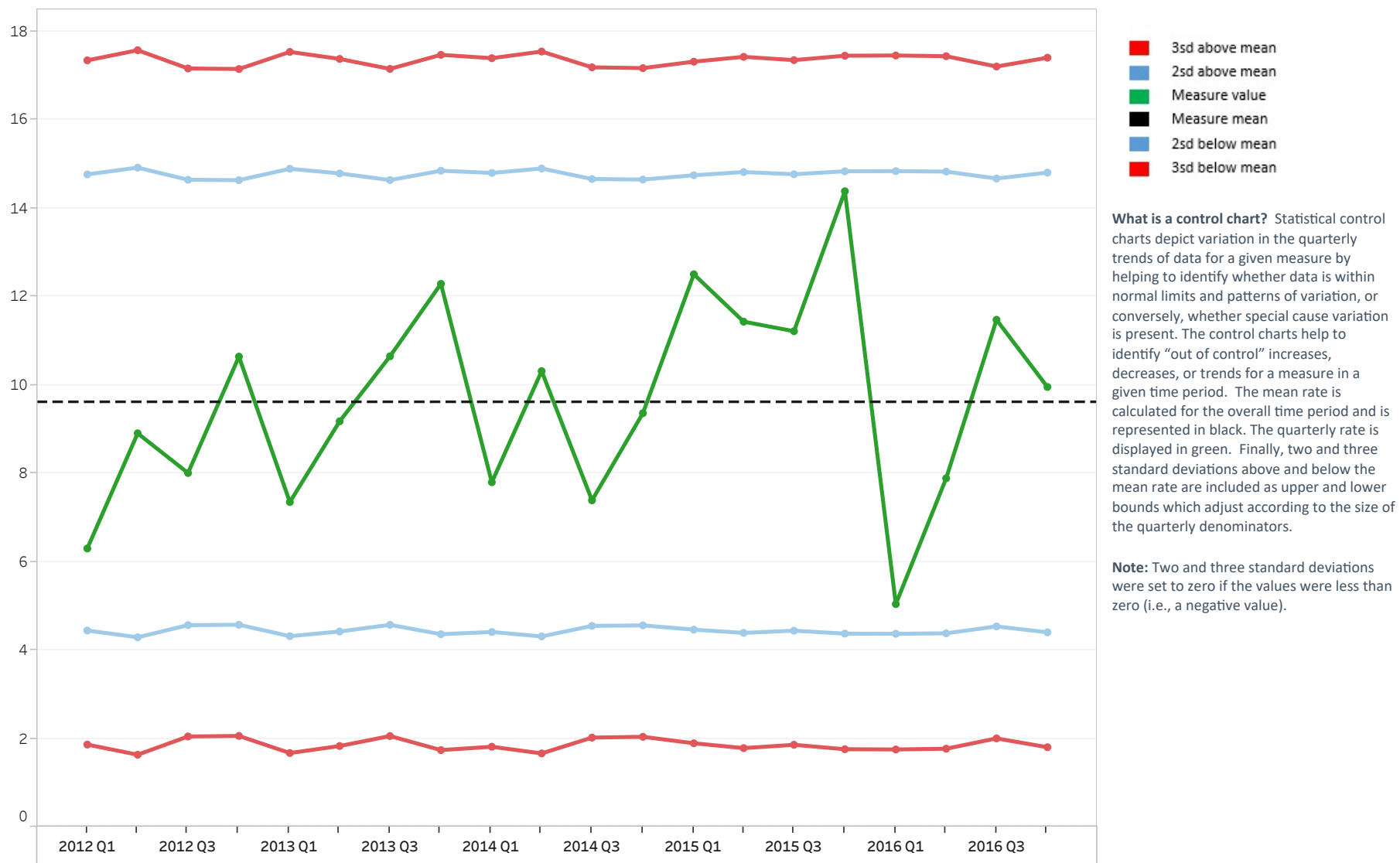
Paramount

United



Data are through Q4 2016.  
Data are limited to Medicaid as the payer.

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



Data are limited to Medicaid as the payer.

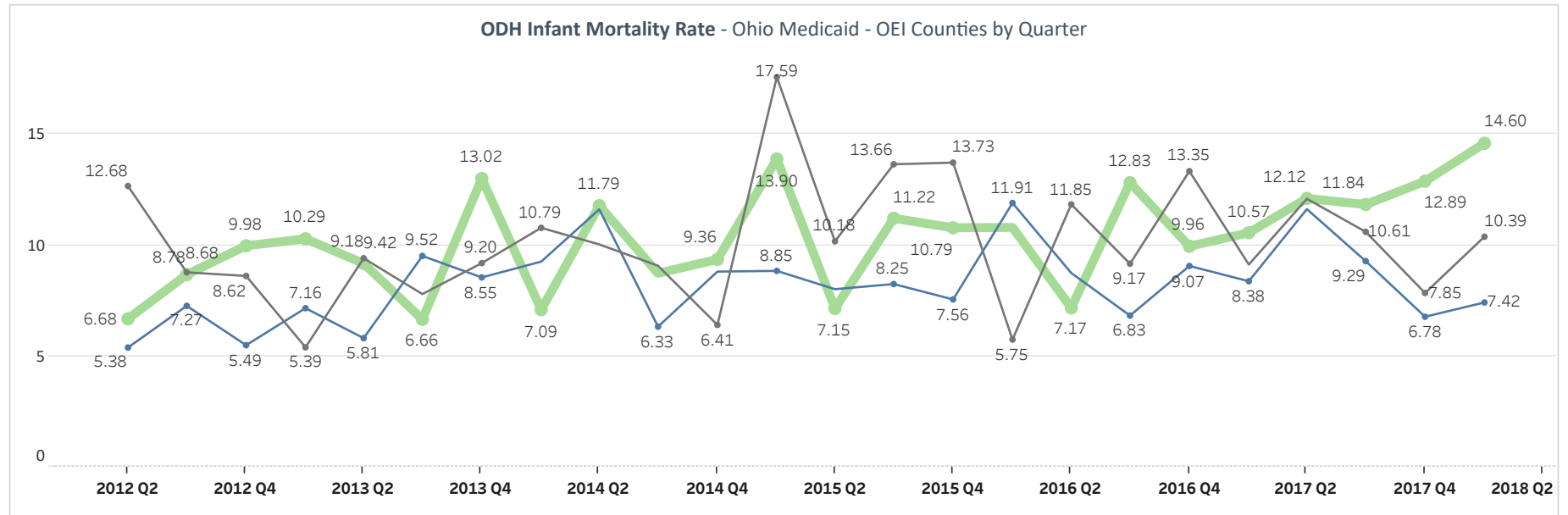


## **Infant Mortality Rate (ODH Raw Deaths/Births Method)**

## Hamilton, Cuyahoga, Franklin Counties - ODH Infant Mortality Rate Trends by Quarter | CY 2012-2018

### Counties

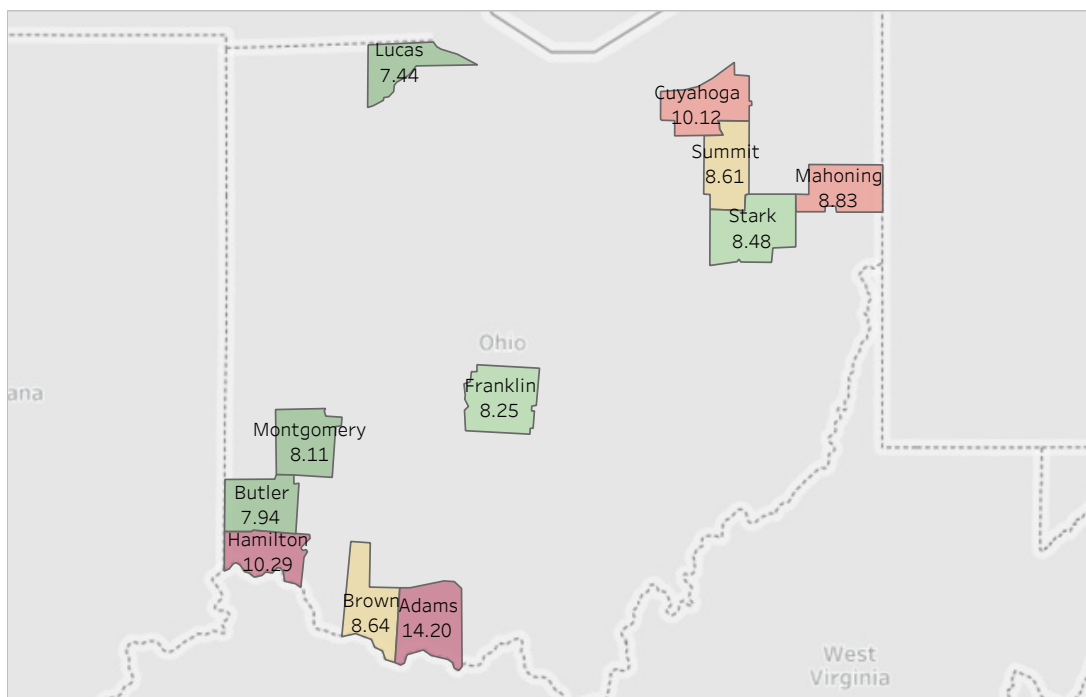
■ Cuyahoga ■ Franklin ■ Hamilton



County	ODH Infant Mortality Aggregate Rate Q2 2012 - Q1 2018	ODH Infant Mortality Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	10.12	10.21	From 87 to 72 Deaths
<b>Hamilton</b>	10.29	12.81	From 61 to 48 Deaths
Franklin	8.25	8.78	From 83 to 68 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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

## Hamilton, Cuyahoga, Franklin Counties - ODH Infant Mortality Rate OEI County Quintiles | CY 2012-2018



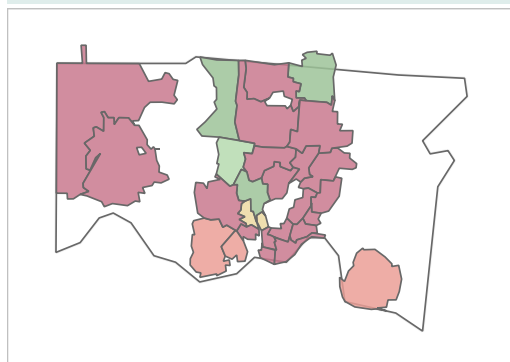
### Map Measure Ranges

- >= 0 < 8.120
- >= 8.120 < 8.491
- >= 8.491 < 8.821
- >= 8.821 < 10.276
- >= 10.276

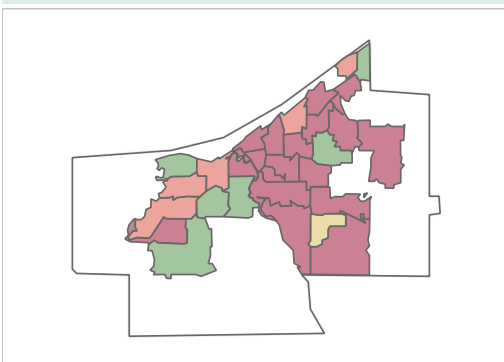
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.

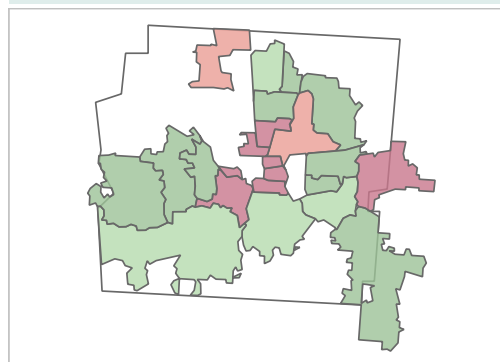
Hamilton



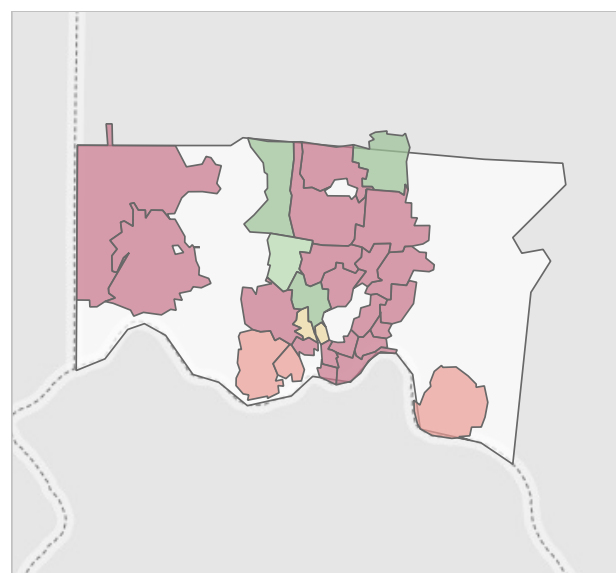
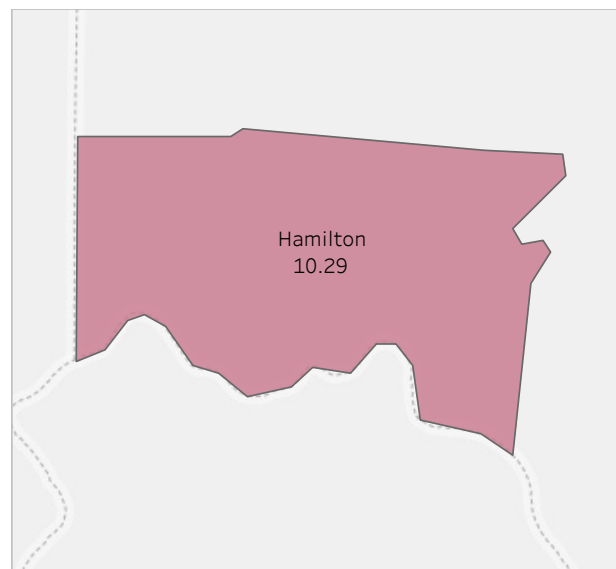
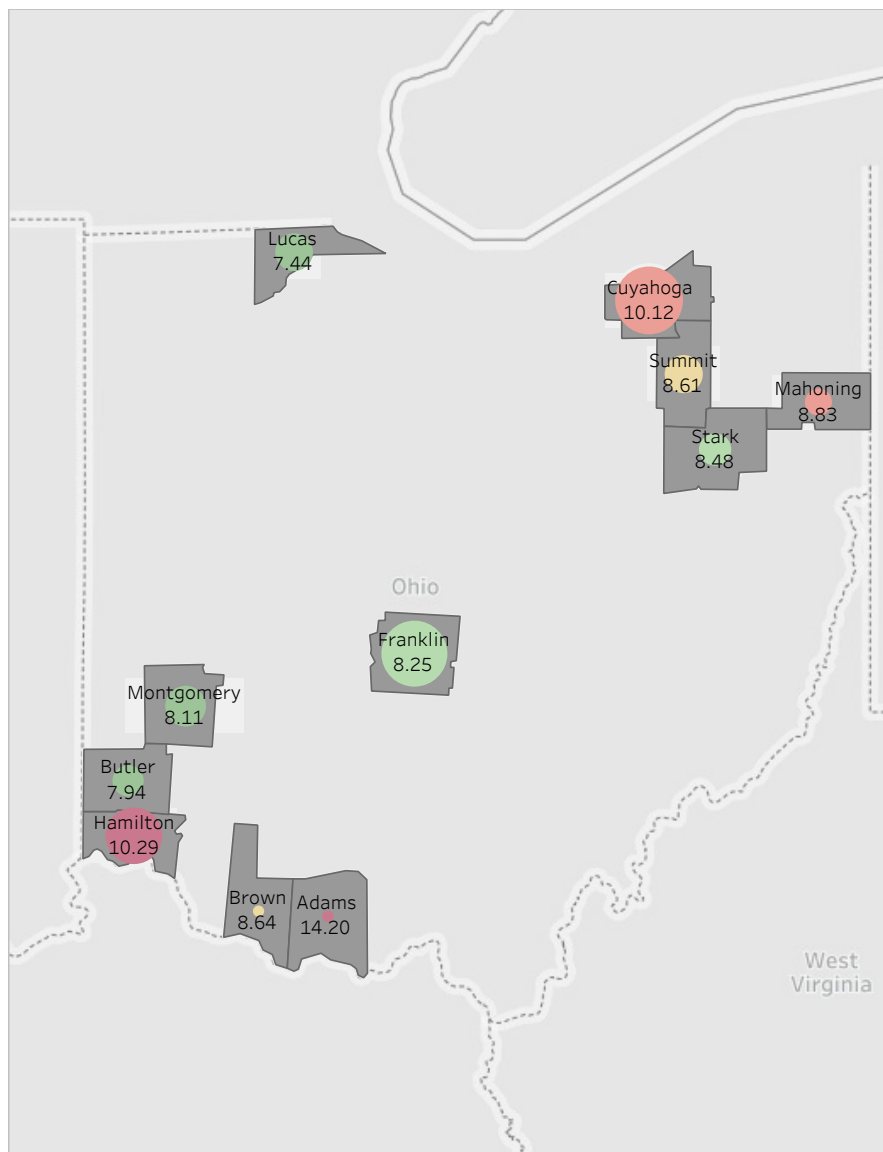
Cuyahoga



Franklin



## Hamilton County - ODH Infant Mortality Rate OEI Quintiles | CY 2012-2018



### Map Measure Ranges

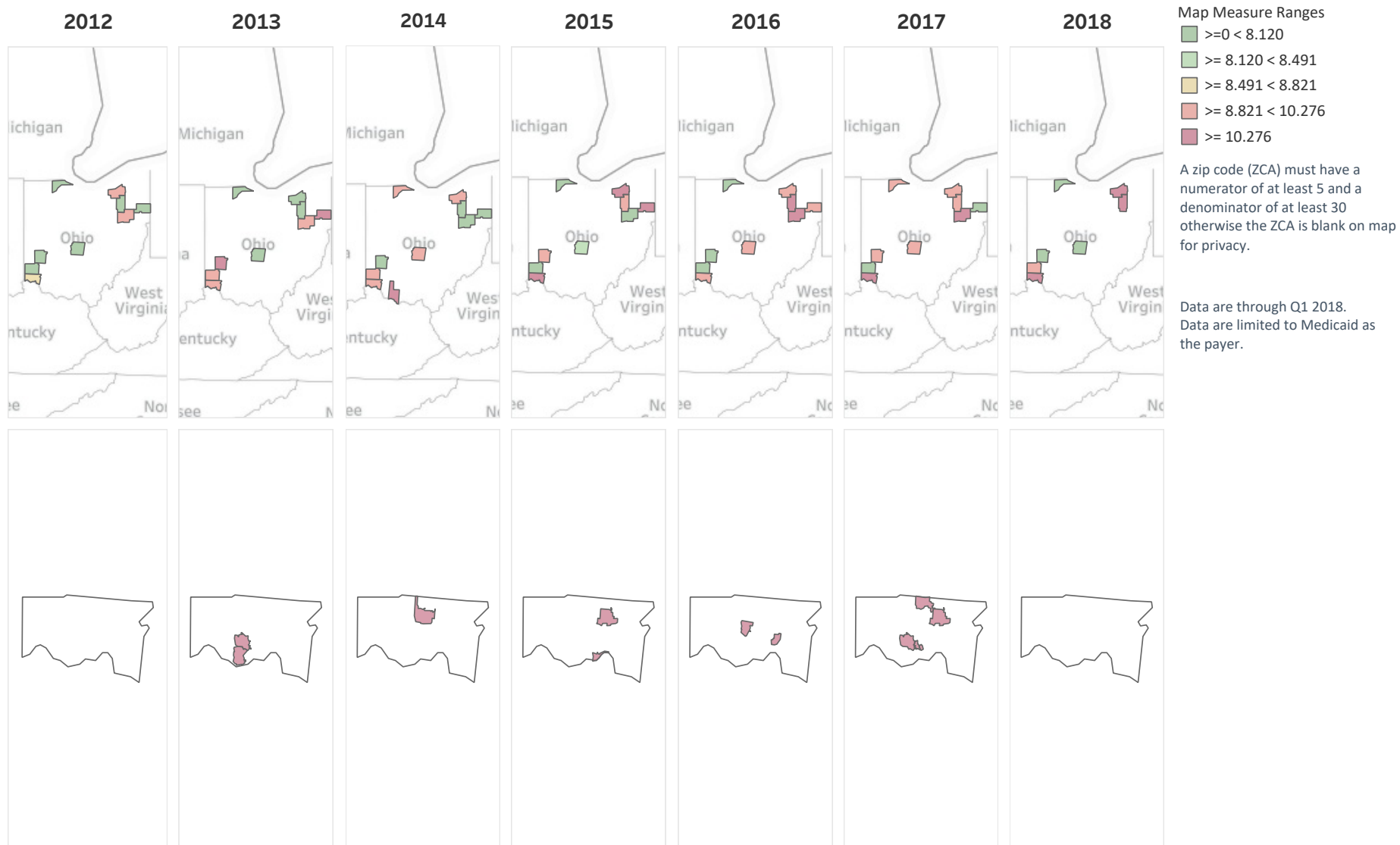
- $\geq 0 < 8.120$
- $\geq 8.120 < 8.491$
- $\geq 8.491 < 8.821$
- $\geq 8.821 < 10.276$
- $\geq 10.276$

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.

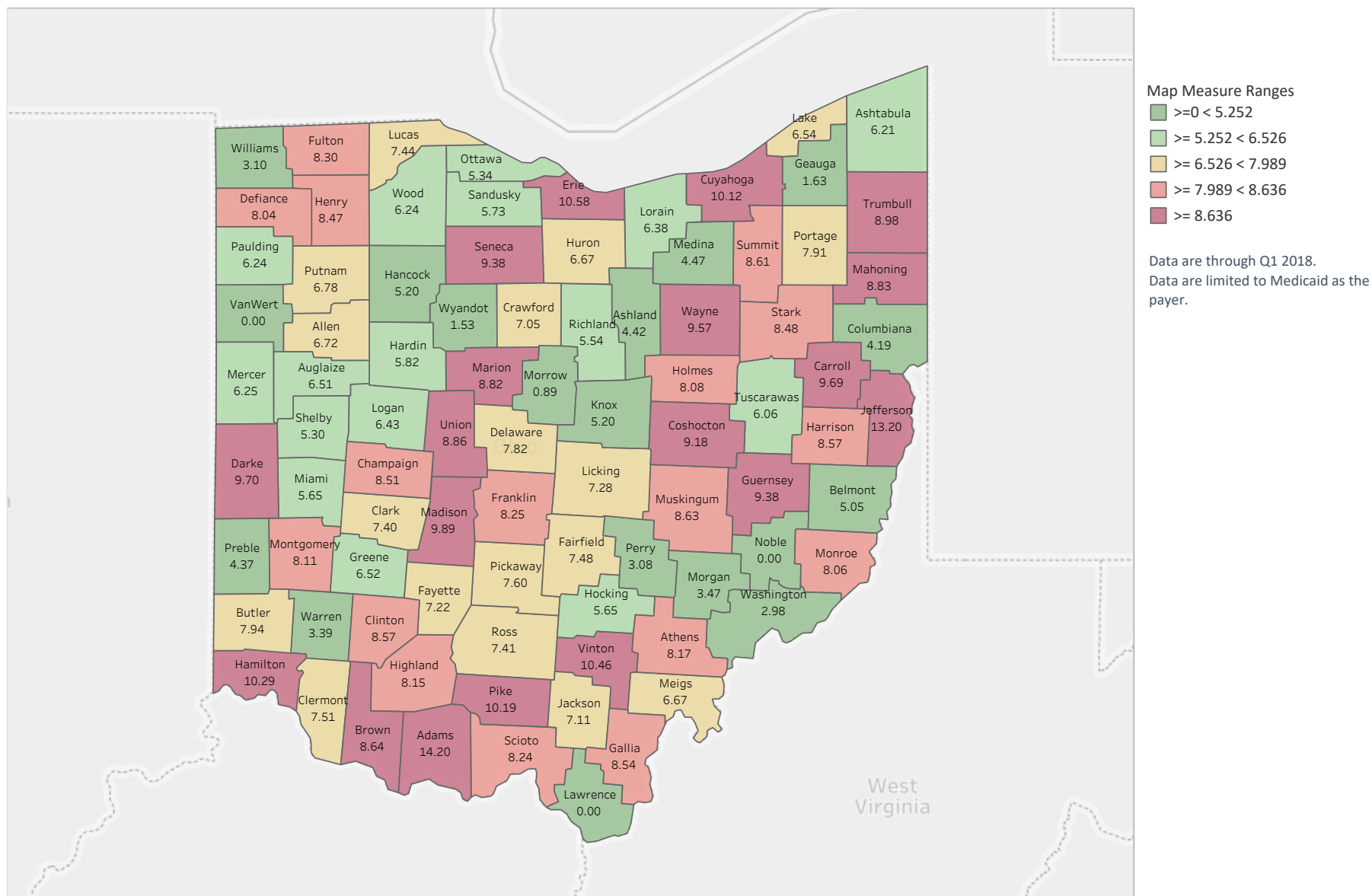
Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



## Hamilton County - ODH Infant Mortality Rate OEI Quintiles | CY 2012-2018 Yearly Comparison



**Statewide** - ODH Infant Mortality Rate  
Overall Quintiles by County | CY 2012 - 2018



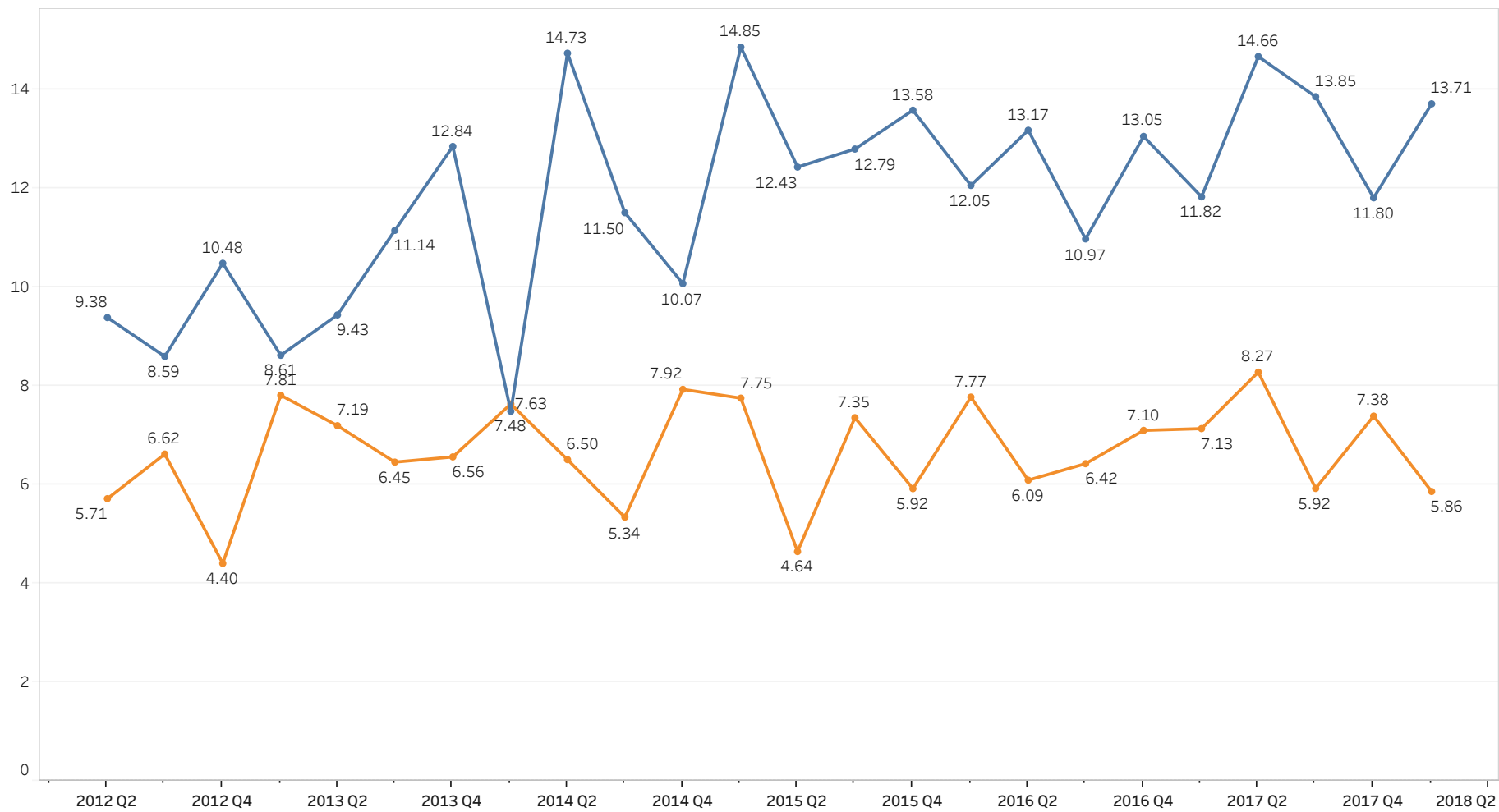


### Quarterly Trends by Race - ODH Infant Mortality Rate All OEI Counties | CY 2012-2018

Race

African American

Caucasian



Data are limited to Medicaid as the payer.

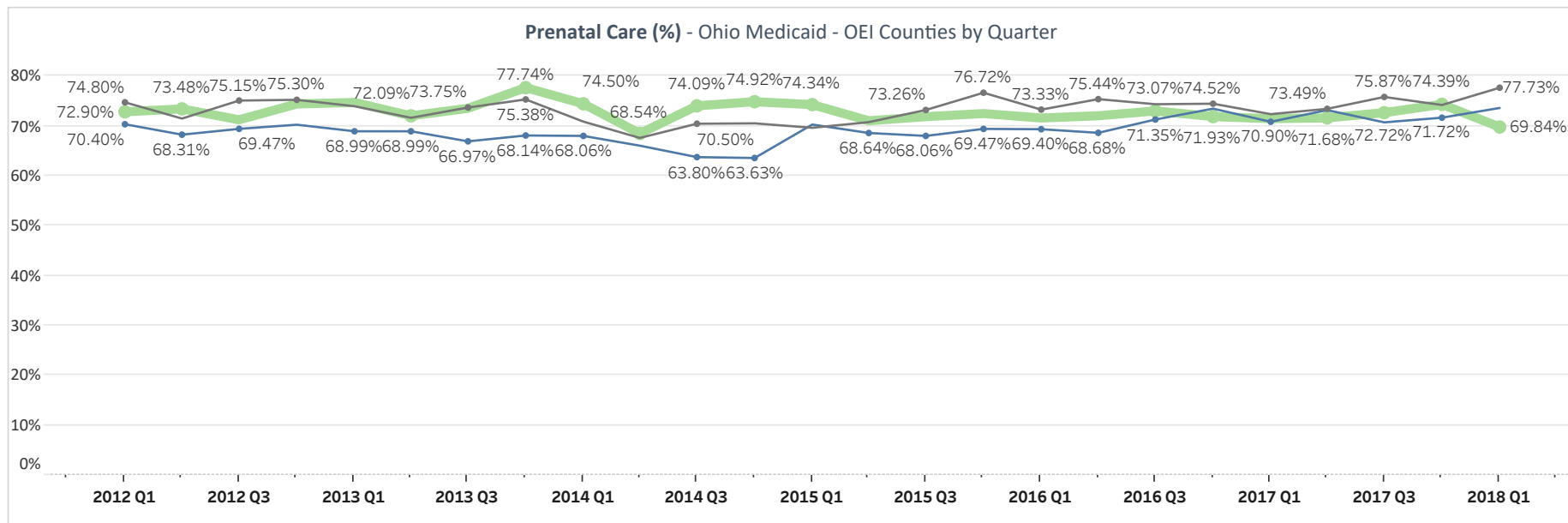
## Prenatal Care (%)

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

### Trends by Quarter | CY 2012-2018

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton



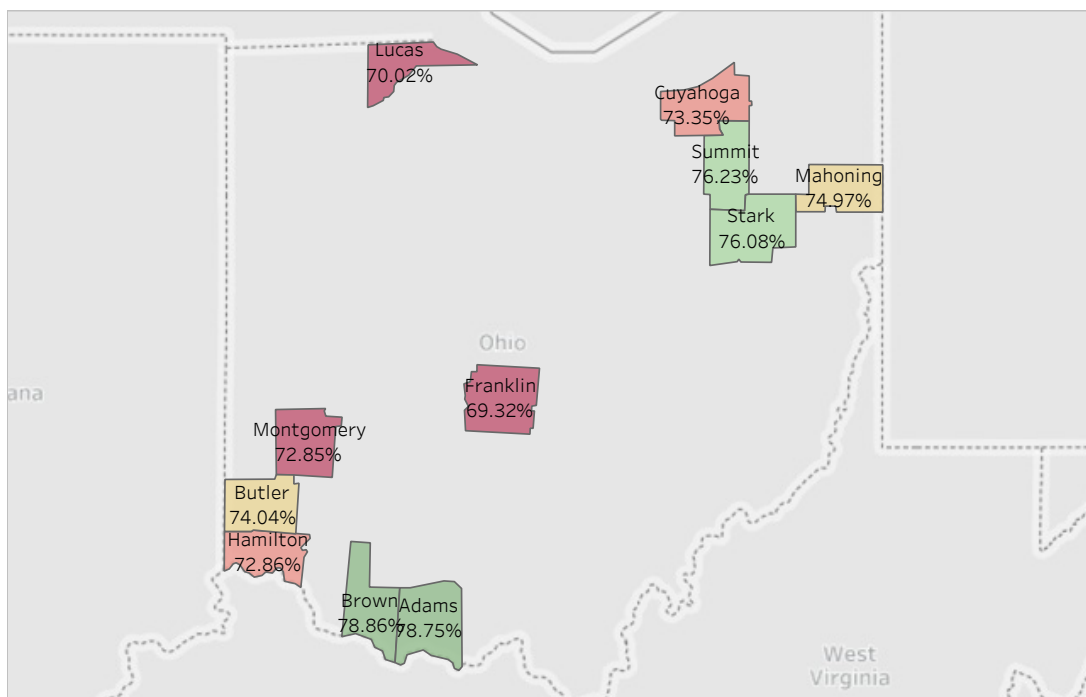
County	Prenatal Aggregate Rate Q1 2012 - Q1 2018	Prenatal Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	73.35%	75.36%	From 5479 to 5542 Women
<b>Hamilton</b>	72.86%	72.18%	From 3549 to 3600 Women
Franklin	69.32%	72.29%	From 5553 to 5620 Women

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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.



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

### OEI County Quintiles | CY 2012-2018



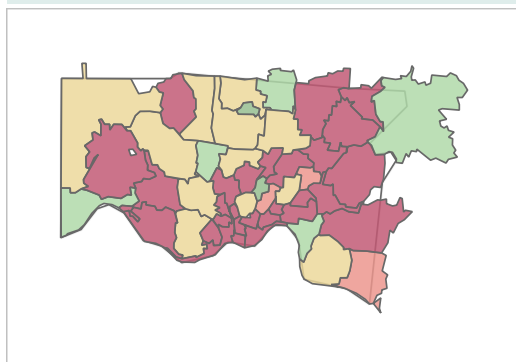
#### Map Measure Ranges

- $\geq 0 < 72.852\%$
- $\geq 72.852\% < 73.359\%$
- $\geq 73.359\% < 76.069\%$
- $\geq 76.069\% < 78.744\%$
- $\geq 78.744\%$

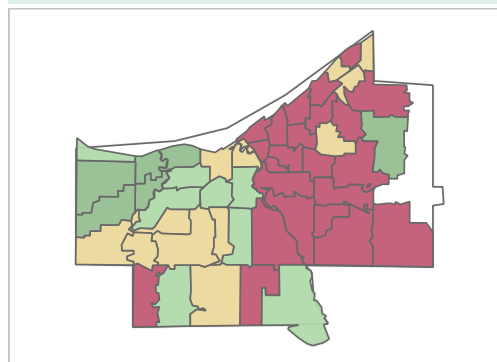
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.

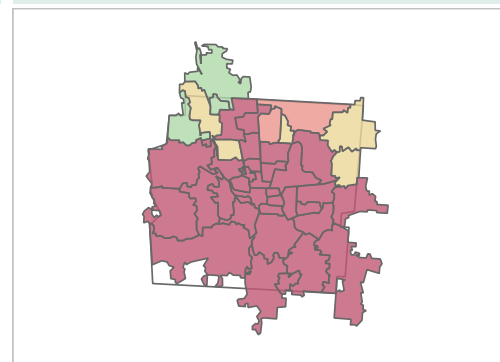
Hamilton



Cuyahoga

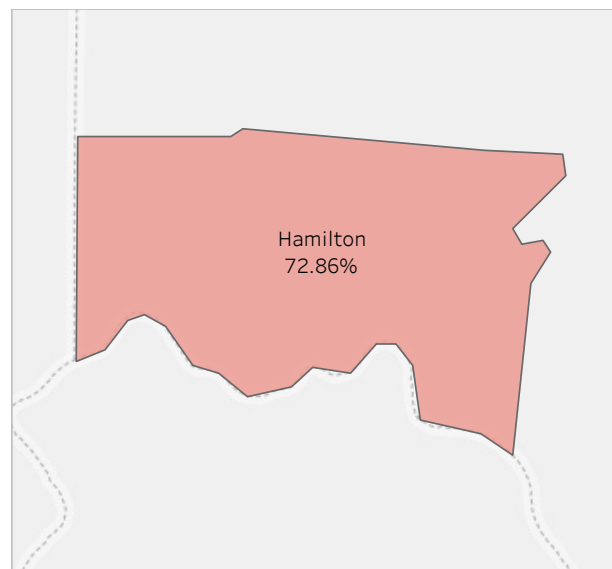
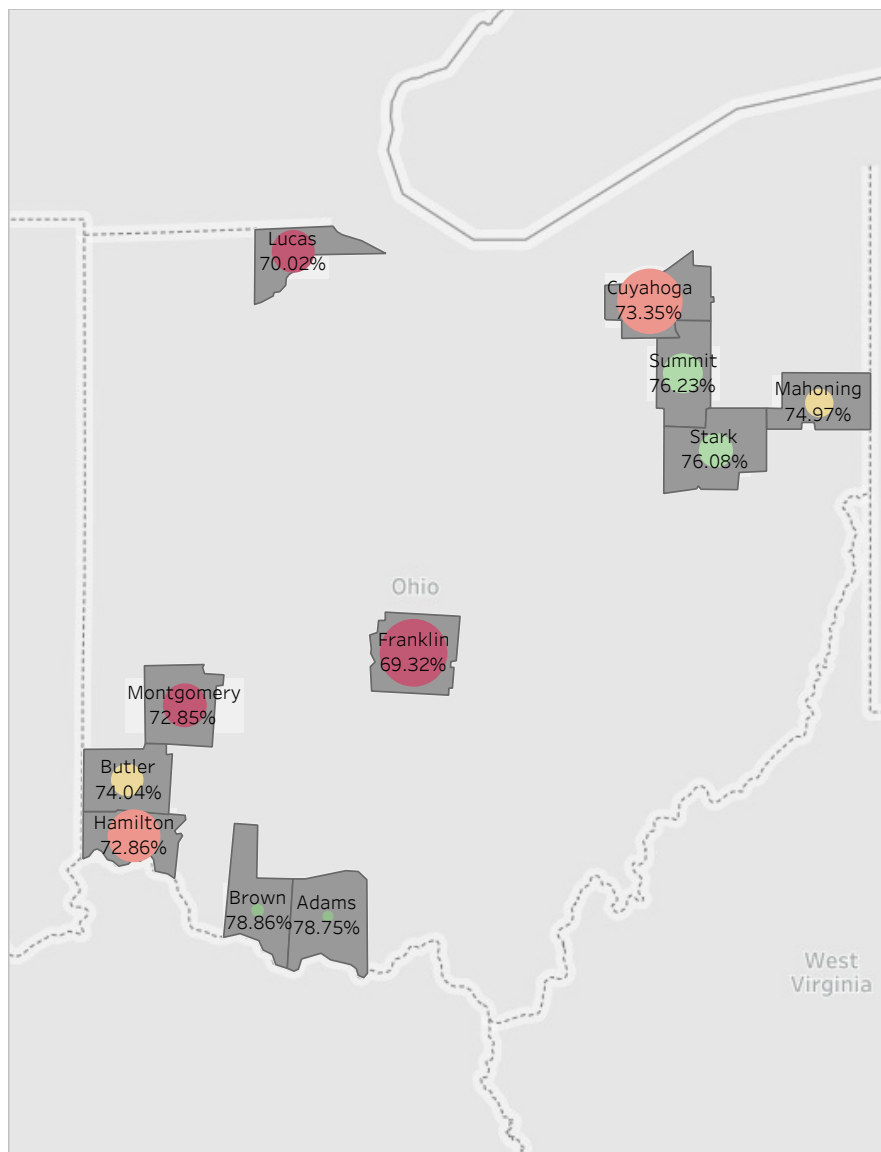


Franklin



## Hamilton County - Prenatal Care (%)

### OEI Quintiles | CY 2012-2018

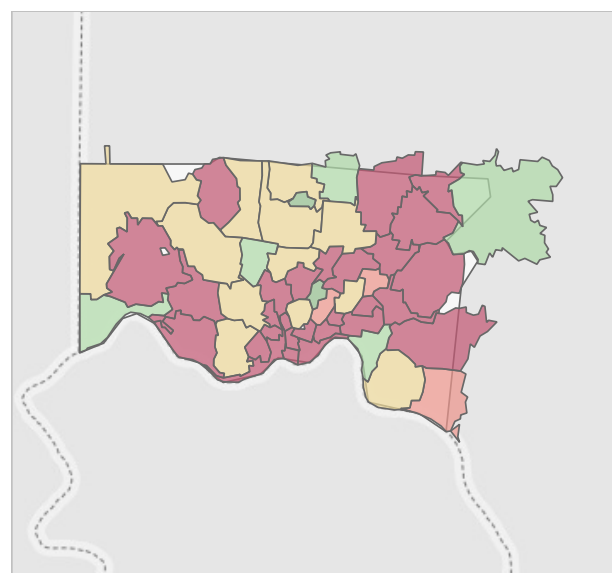


#### Map Measure Ranges

- $\geq 0 < 72.852\%$
- $\geq 72.852\% < 73.359\%$
- $\geq 73.359\% < 76.069\%$
- $\geq 76.069\% < 78.744\%$
- $\geq 78.744\%$

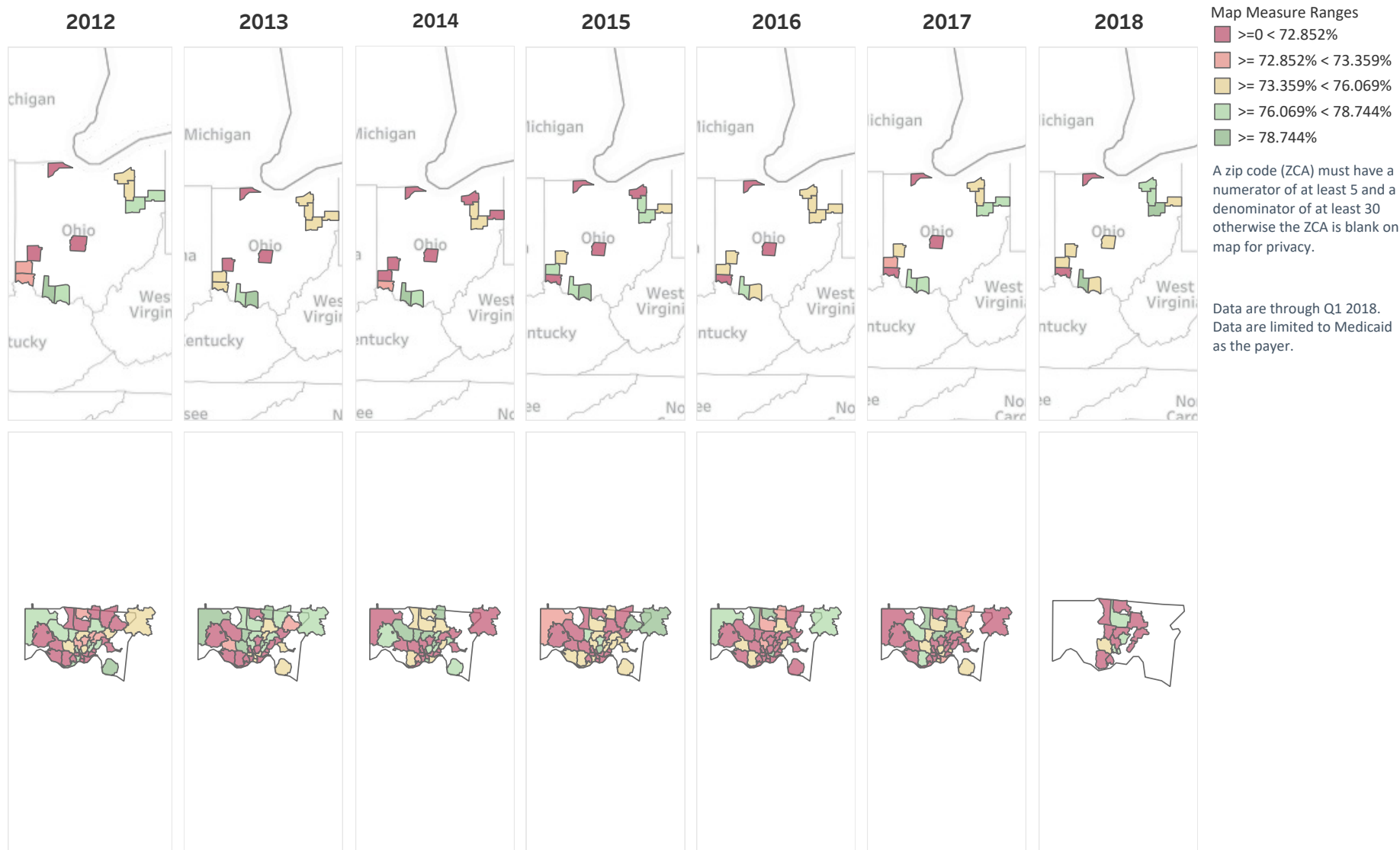
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



## Hamilton County - Prenatal Care (%)

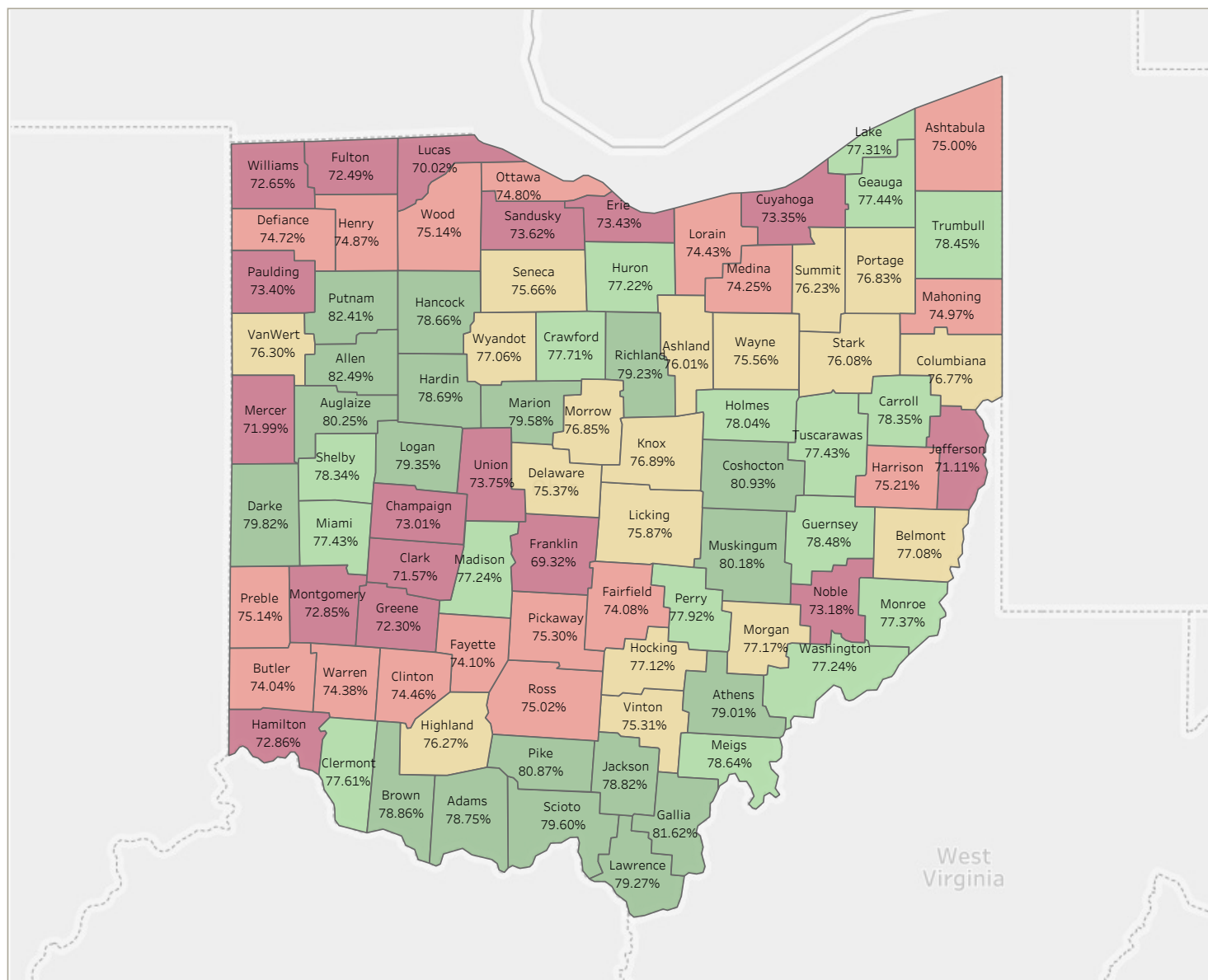
### OEI Quintiles | CY 2012-2018 Yearly Comparison





## Statewide - Prenatal Care (%)

### Overall Quintiles by County | CY 2012 - 2018



#### Map Measure Ranges

- >=0 < 73.893%
- >= 73.893% < 75.306%
- >= 75.306% < 77.194%
- >= 77.194% < 78.654%
- >= 78.654%

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



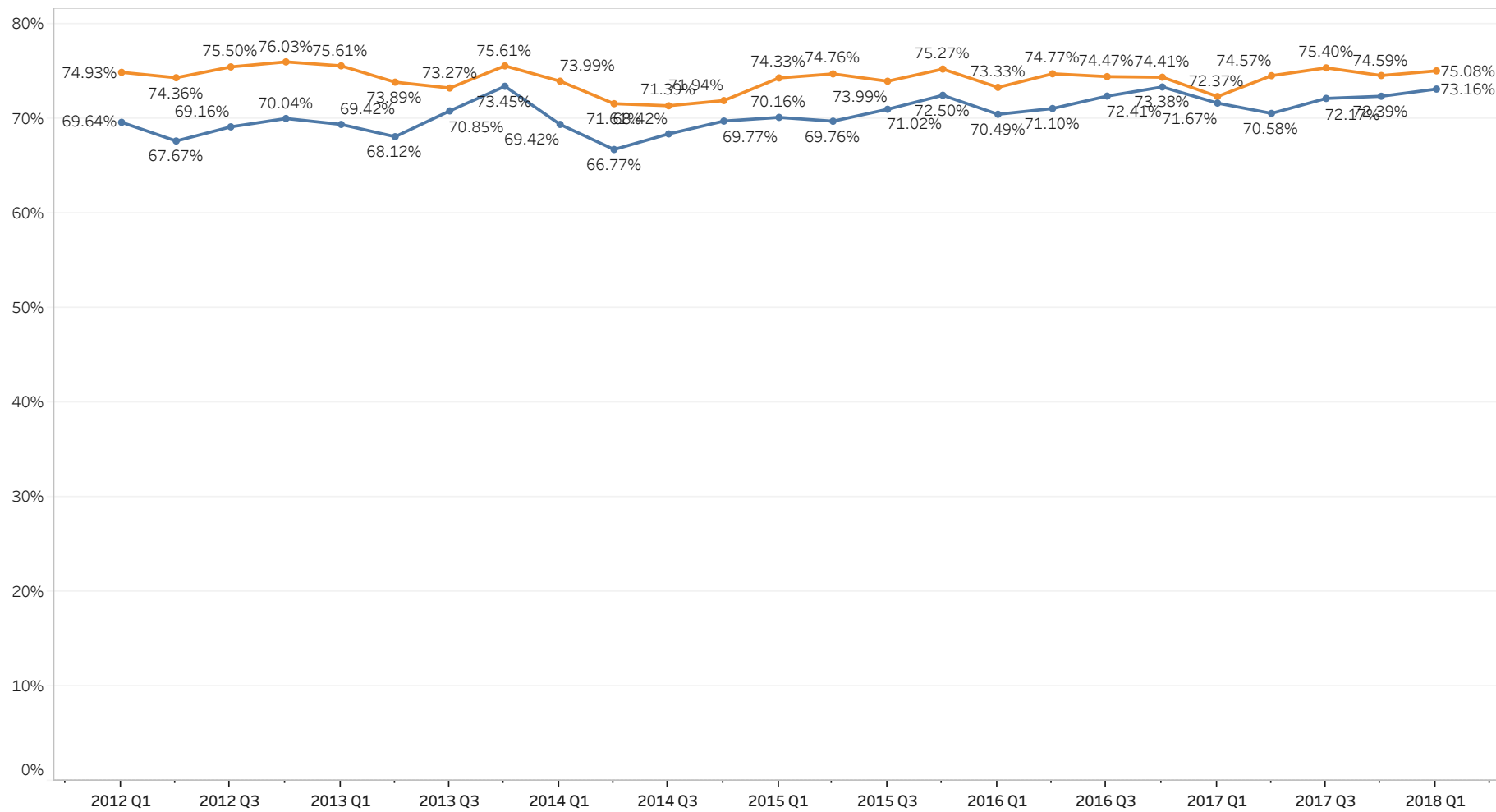
## Quarterly Trends by Race - Prenatal Care (%)

All OEI Counties | CY 2012-2018

Race

African American

Caucasian

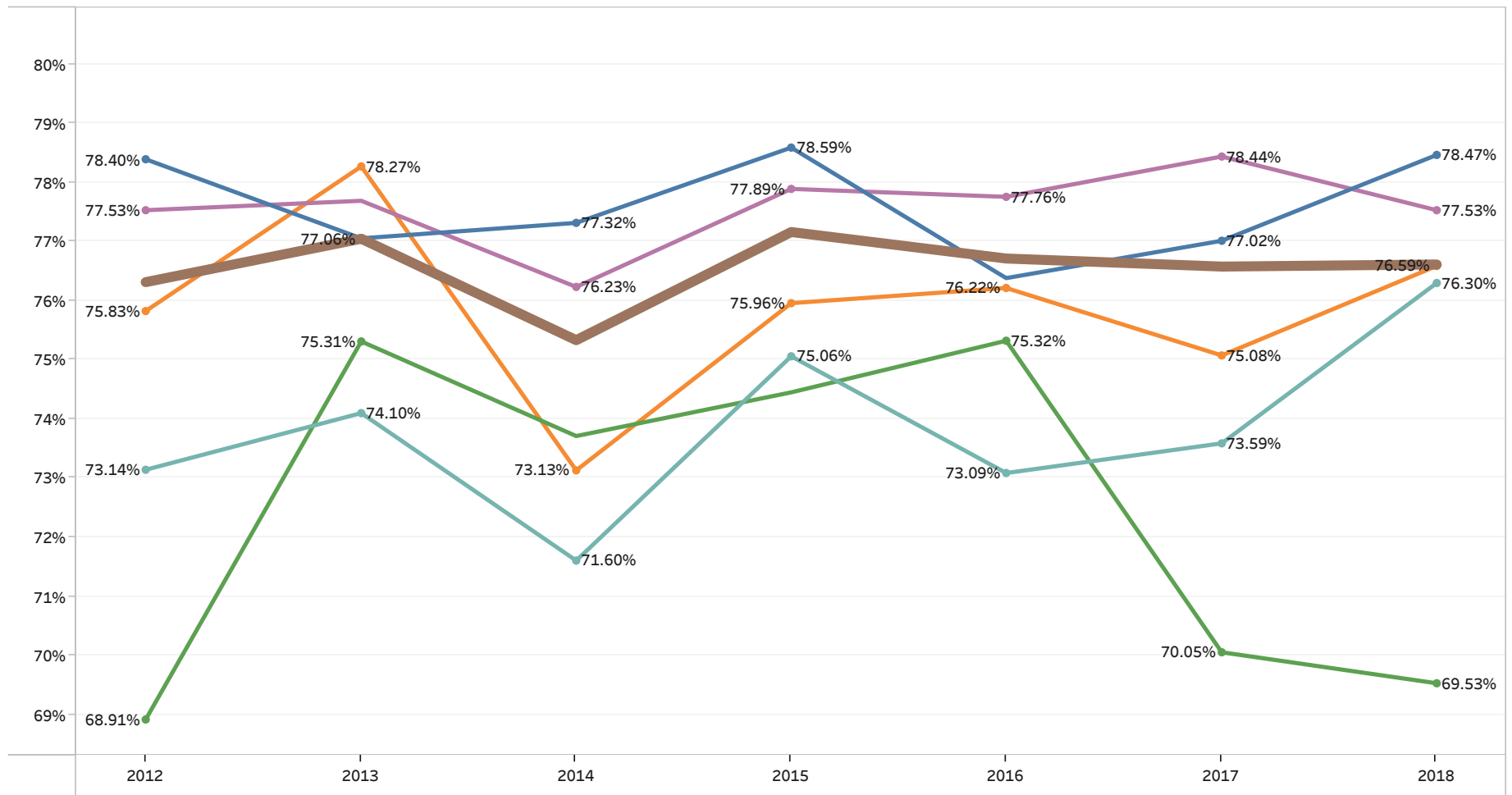


Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Prenatal Care (%) All OEI Counties | CY 2012-2018

Medicaid Plan  
All Plans Buckeye CareSource Molina Paramount United



Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



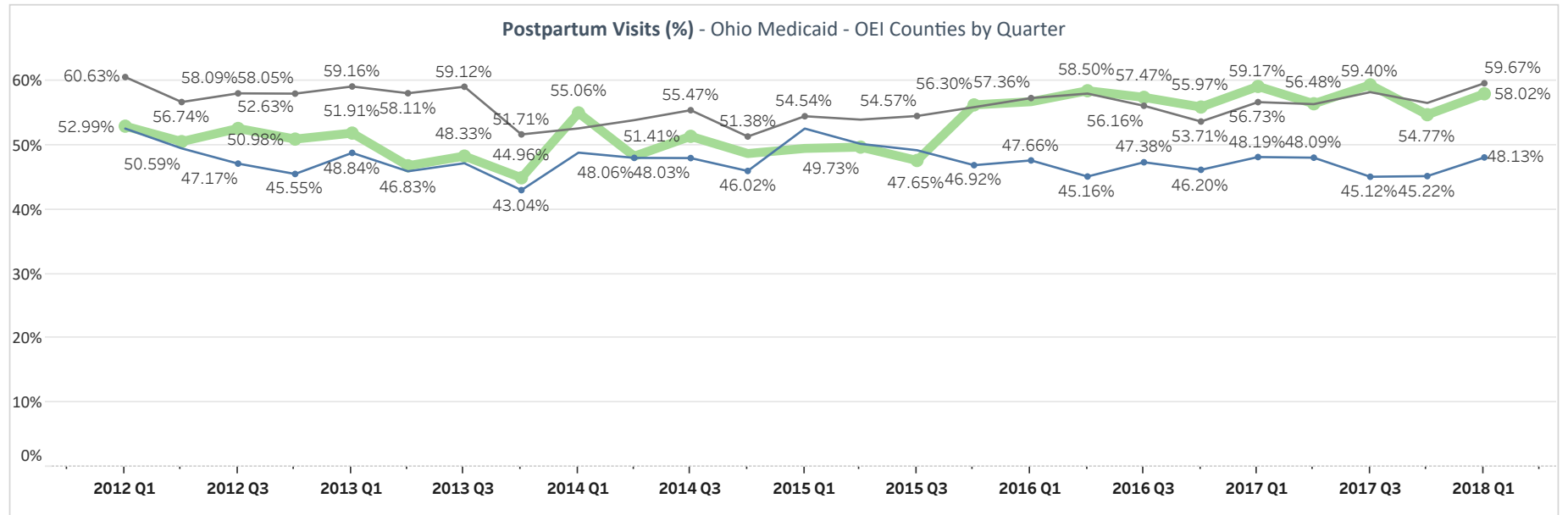
## Postpartum Visits (%)

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

### Trends by Quarter | CY 2012-2018

Counties

■ Cuyahoga ■ Franklin ■ Hamilton

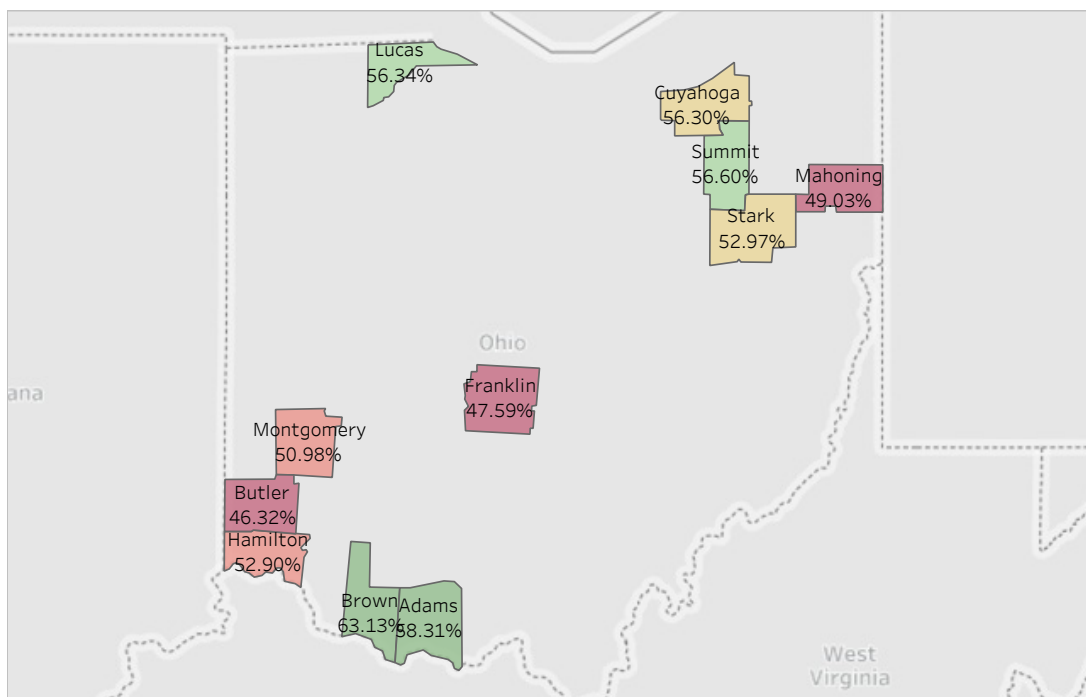


County	Postpartum Aggregate Rate Q1 2012 - Q1 2018	Postpartum Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	56.30%	57.76%	From 4205 to 4276 Women
<b>Hamilton</b>	52.90%	57.21%	From 2577 to 2634 Women
Franklin	47.59%	46.56%	From 3812 to 3885 Women

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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

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

### OEI County Quintiles | CY 2012-2018



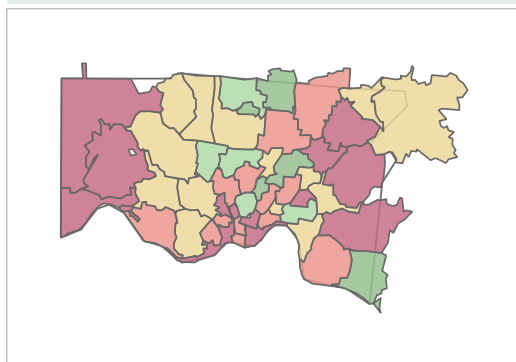
#### Map Measure Ranges

- $\geq 0 < 49.038\%$
- $\geq 49.038\% < 52.906\%$
- $\geq 52.906\% < 56.326\%$
- $\geq 56.326\% < 58.297\%$
- $\geq 58.297\%$

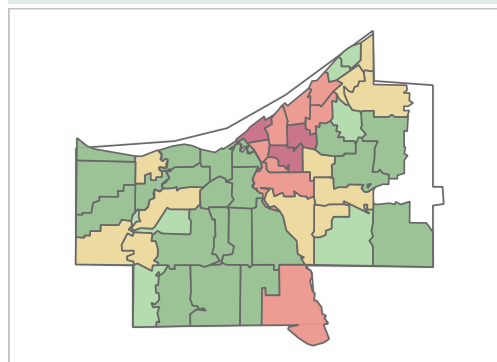
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.

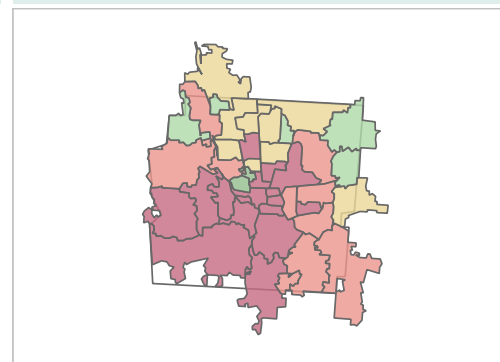
Hamilton



Cuyahoga

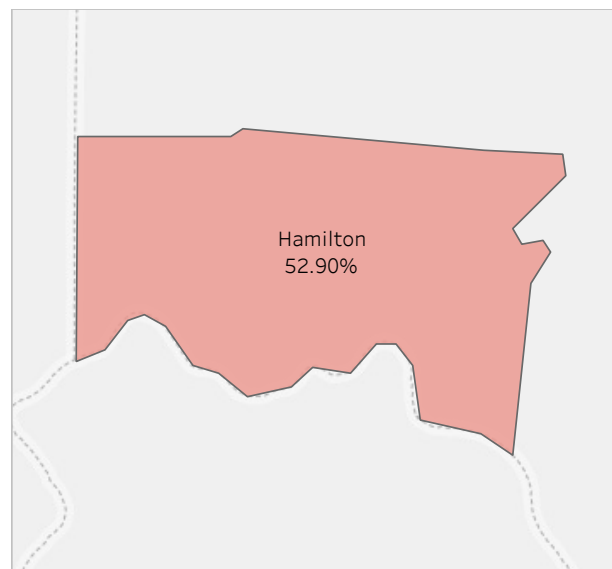
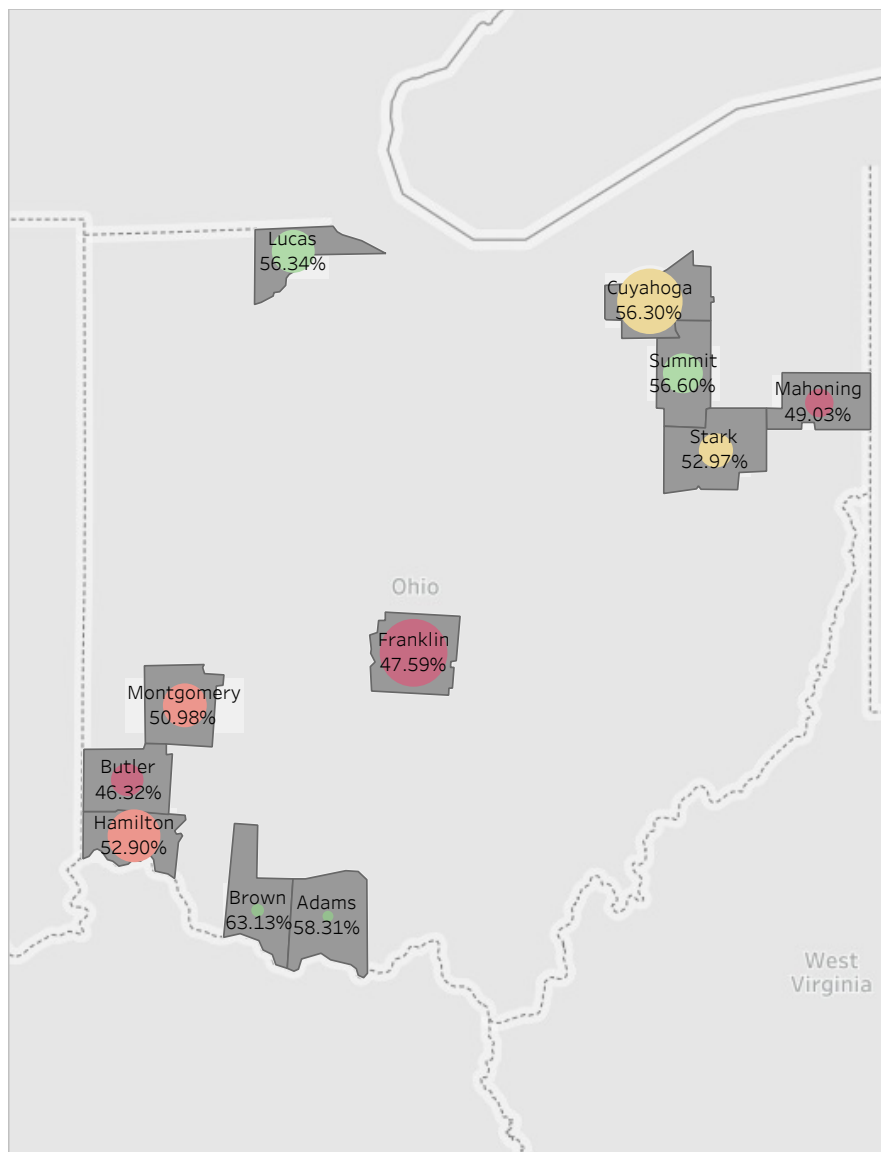


Franklin



## Hamilton County - Postpartum Visits (%)

### OEI Quintiles | CY 2012-2018

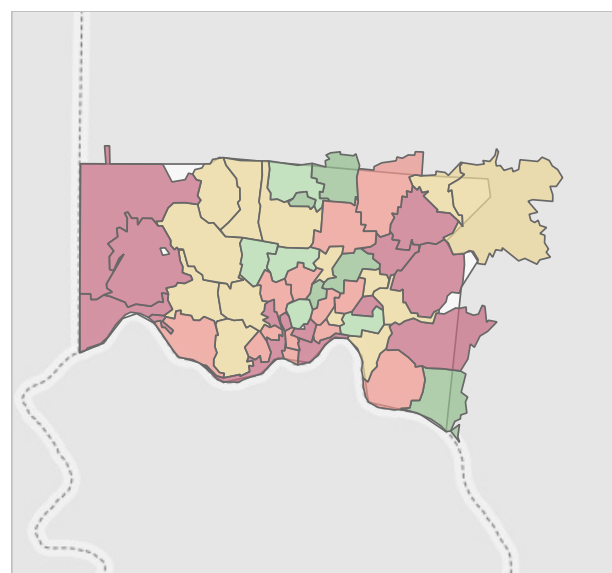


#### Map Measure Ranges

- >= 0 < 49.038%
- >= 49.038% < 52.906%
- >= 52.906% < 56.326%
- >= 56.326% < 58.297%
- >= 58.297%

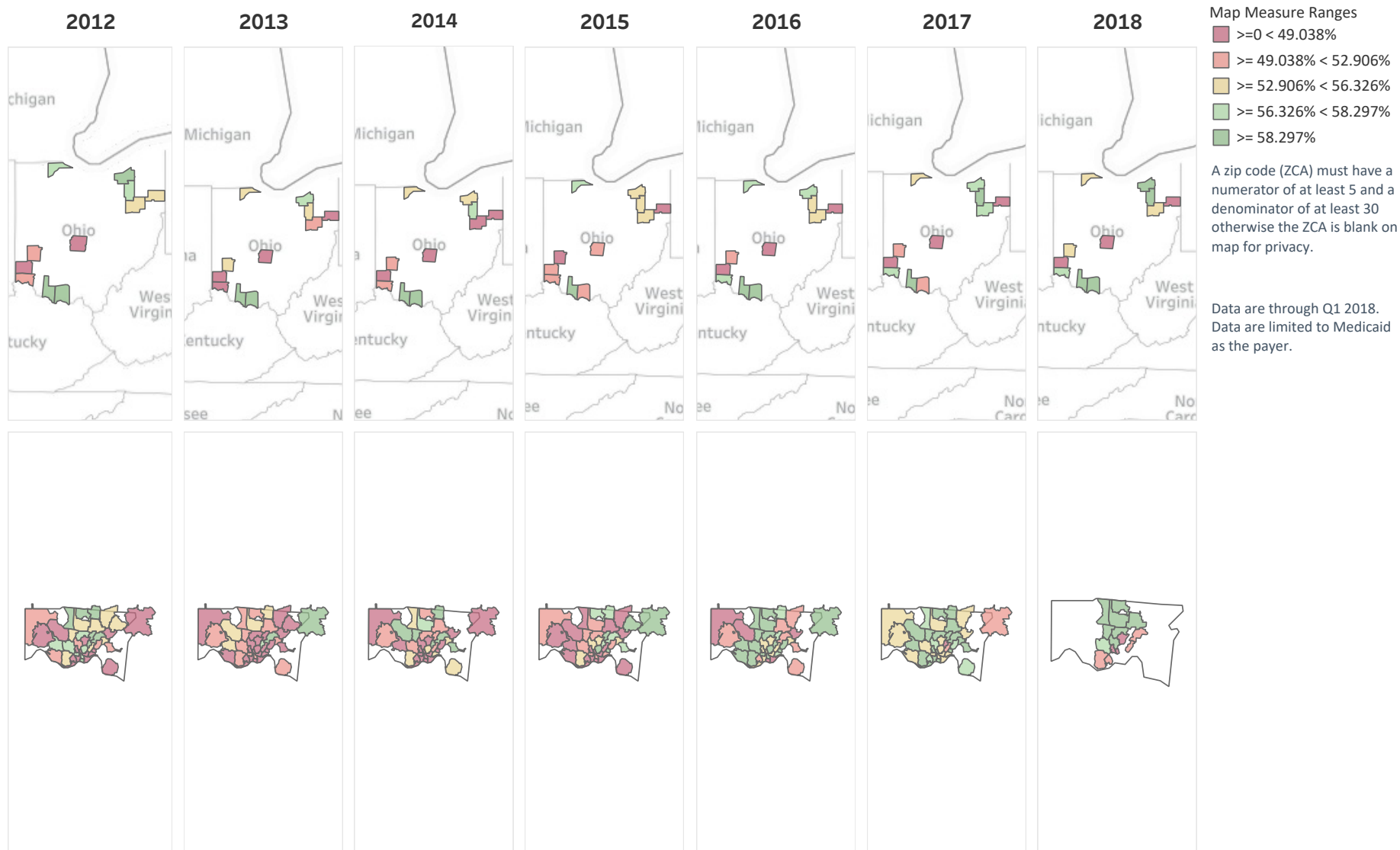
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



## Hamilton County - Postpartum Visits (%)

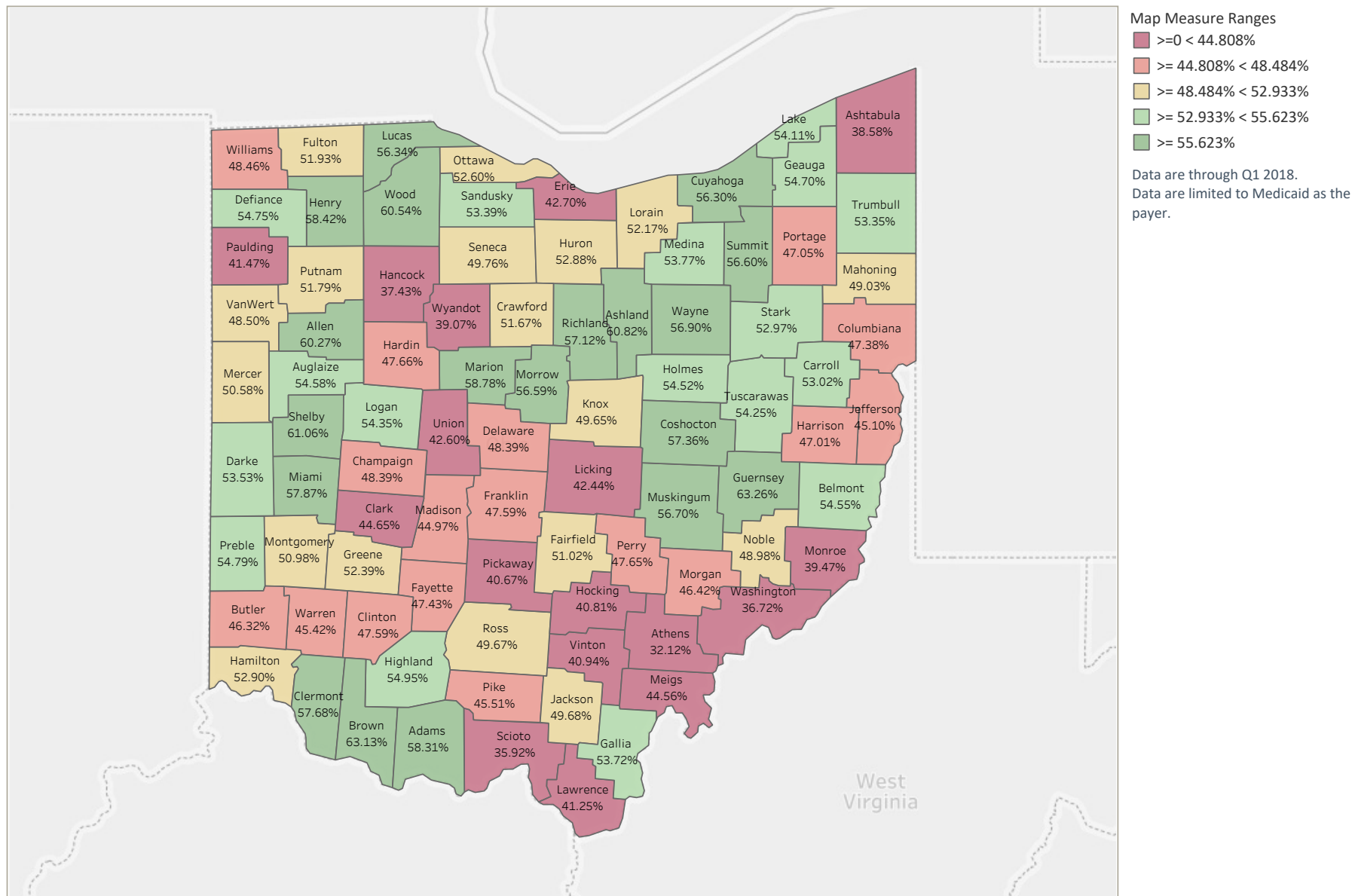
### OEI Quintiles | CY 2012-2018 Yearly Comparison





## Statewide - Postpartum Visits (%)

### Overall Quintiles by County | CY 2012 - 2018





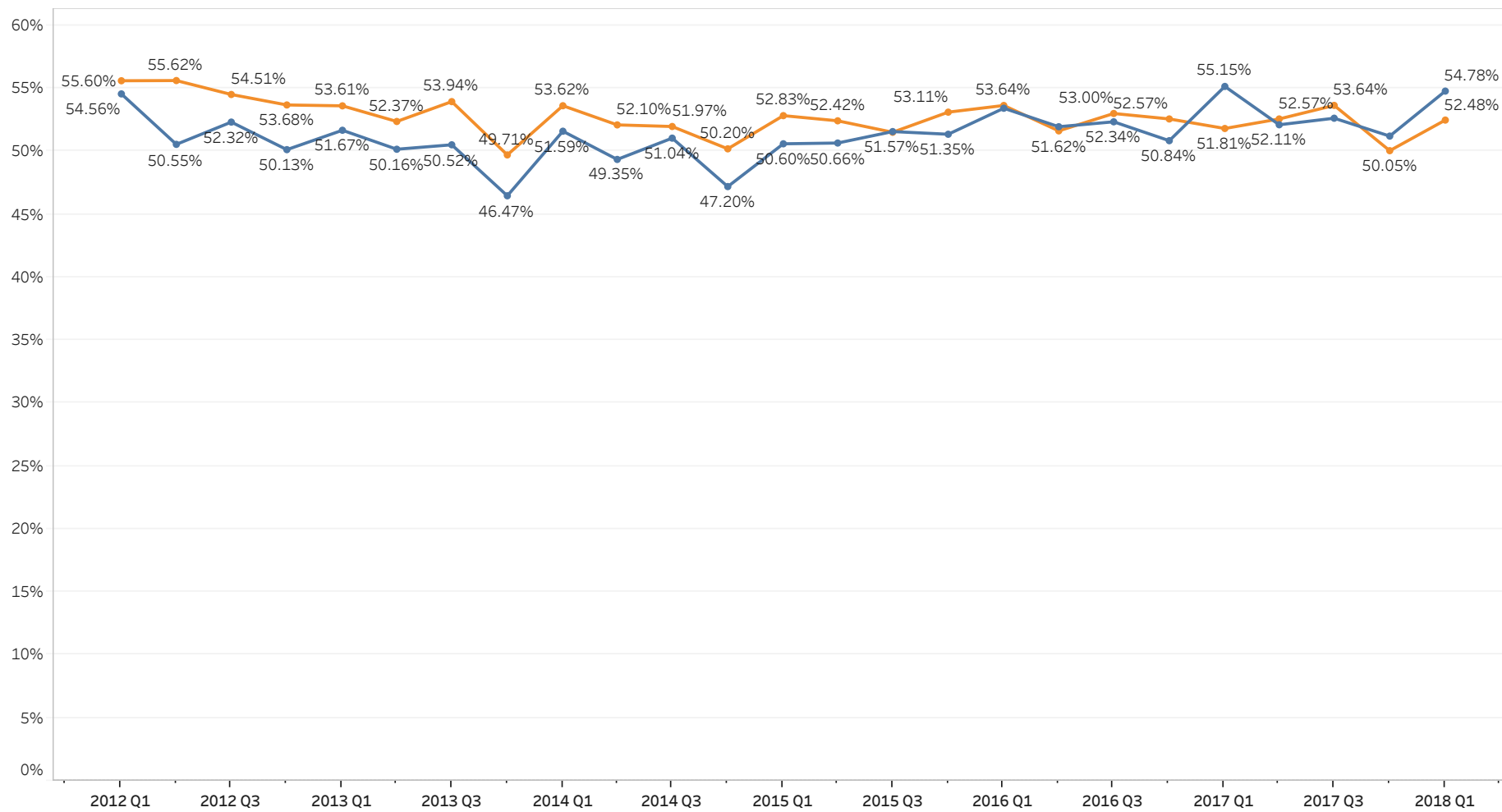
## Quarterly Trends by Race - Postpartum Visits (%)

All OEI Counties | CY 2012-2018

Race

African American

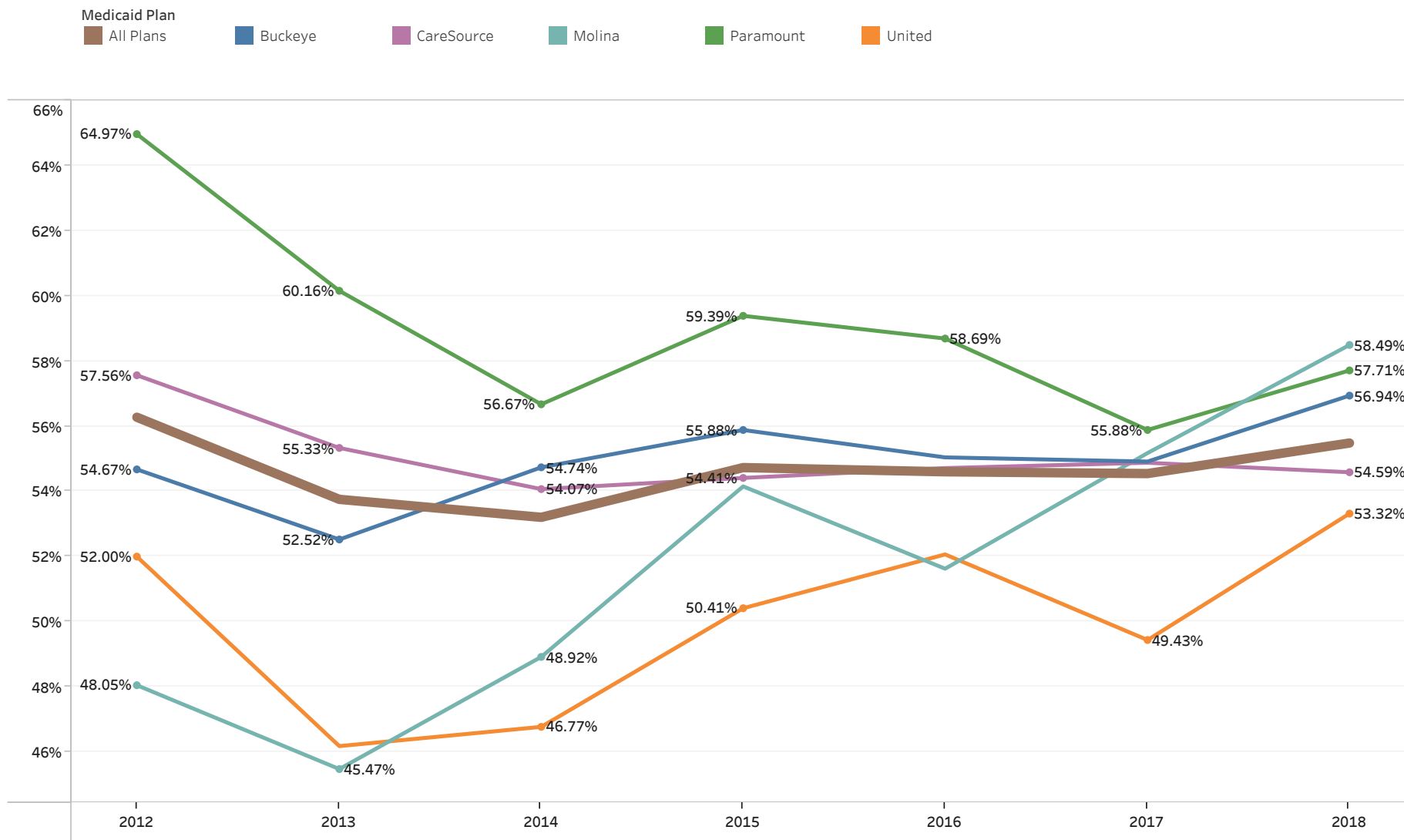
Caucasian



Data are limited to Medicaid as the payer.



### Yearly Trends by MCP - Postpartum Visits (%) All OEI Counties | CY 2012-2018



Data are through Q1 2018.

Data are limited to Medicaid as the payer.



## Progesterone Use in High Risk Women (%)



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

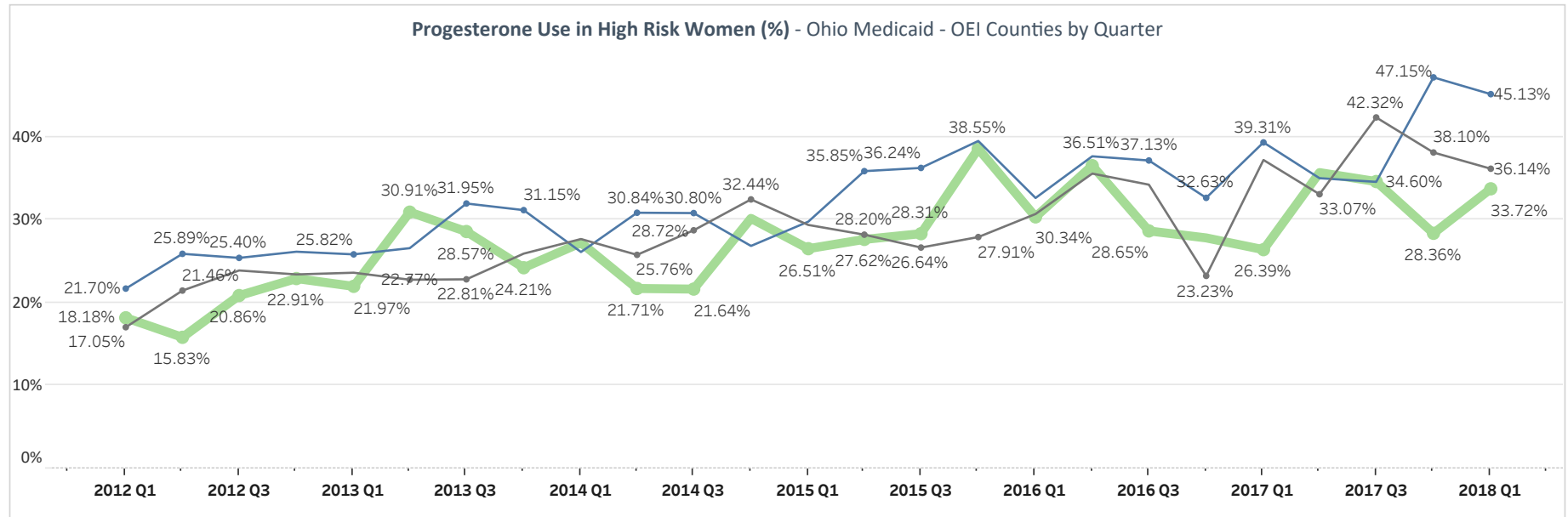
### Trends by Quarter | CY 2012-2018

#### Counties

■ Cuyahoga

■ Franklin

■ Hamilton



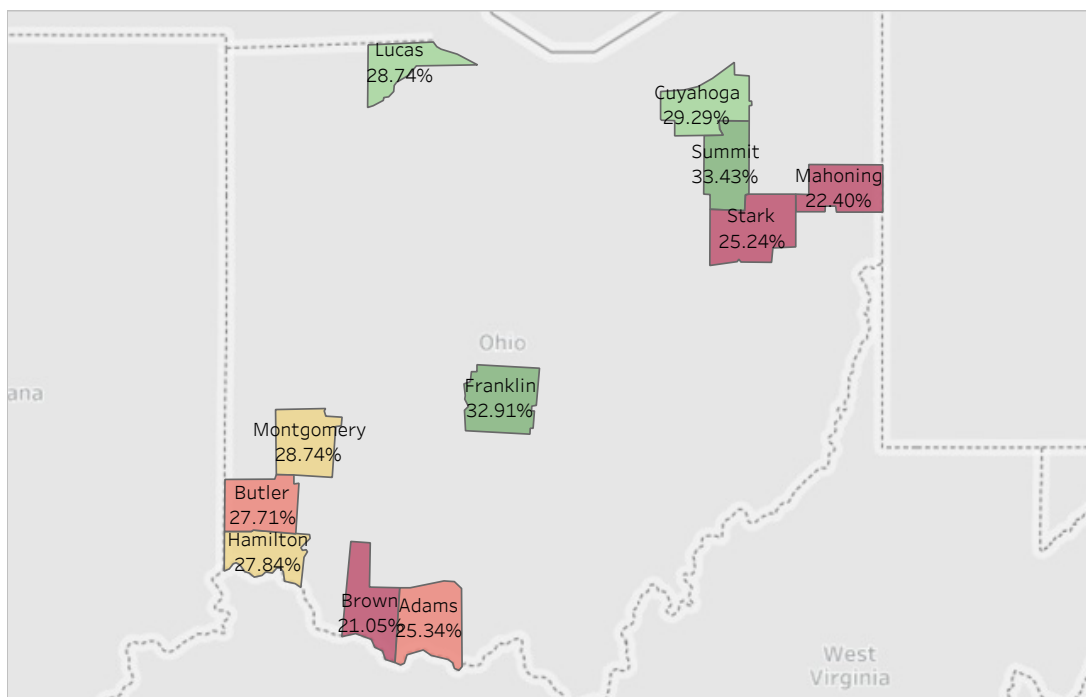
County	Progesterone Aggregate Rate Q1 2012 - Q1 2018	Progesterone Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	29.29%	37.58%	From 312 to 337 Women
<b>Hamilton</b>	27.84%	32.98%	From 205 to 224 Women
Franklin	32.91%	40.20%	From 356 to 381 Women

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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.



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

### OEI County Quintiles | CY 2012-2018



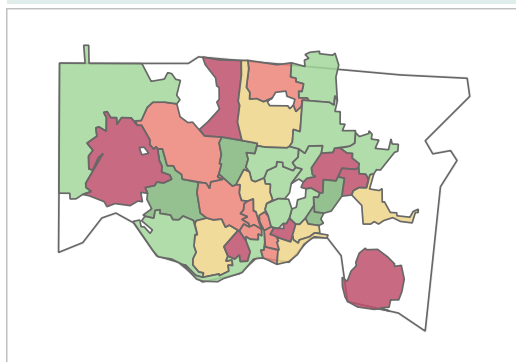
#### Map Measure Ranges

- $\geq 0 < 25.248\%$
- $\geq 25.248\% < 27.718\%$
- $\geq 27.718\% < 28.741\%$
- $\geq 28.741\% < 32.902\%$
- $\geq 32.902\%$

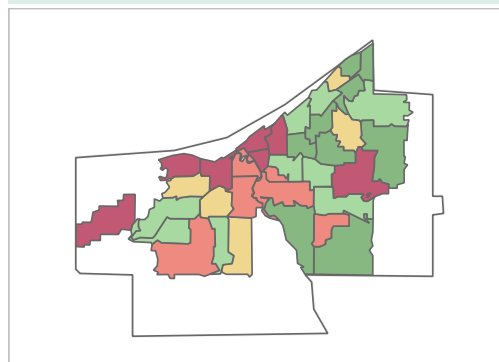
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.

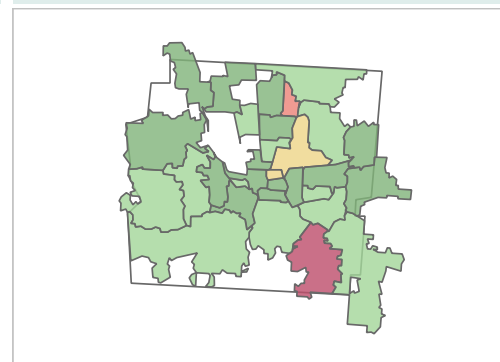
Hamilton



Cuyahoga

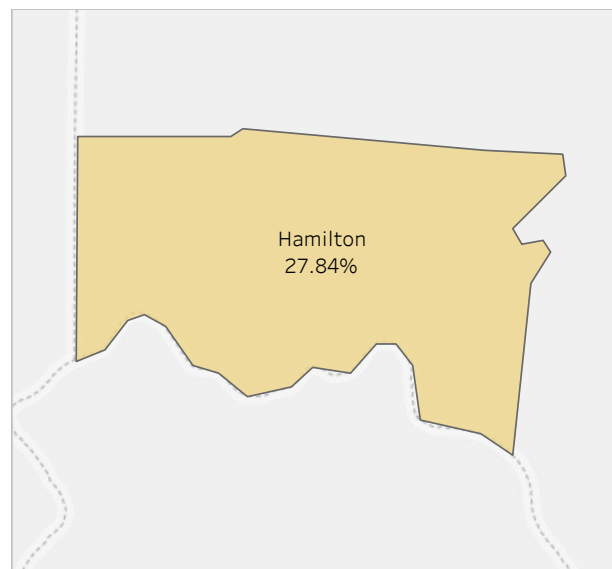
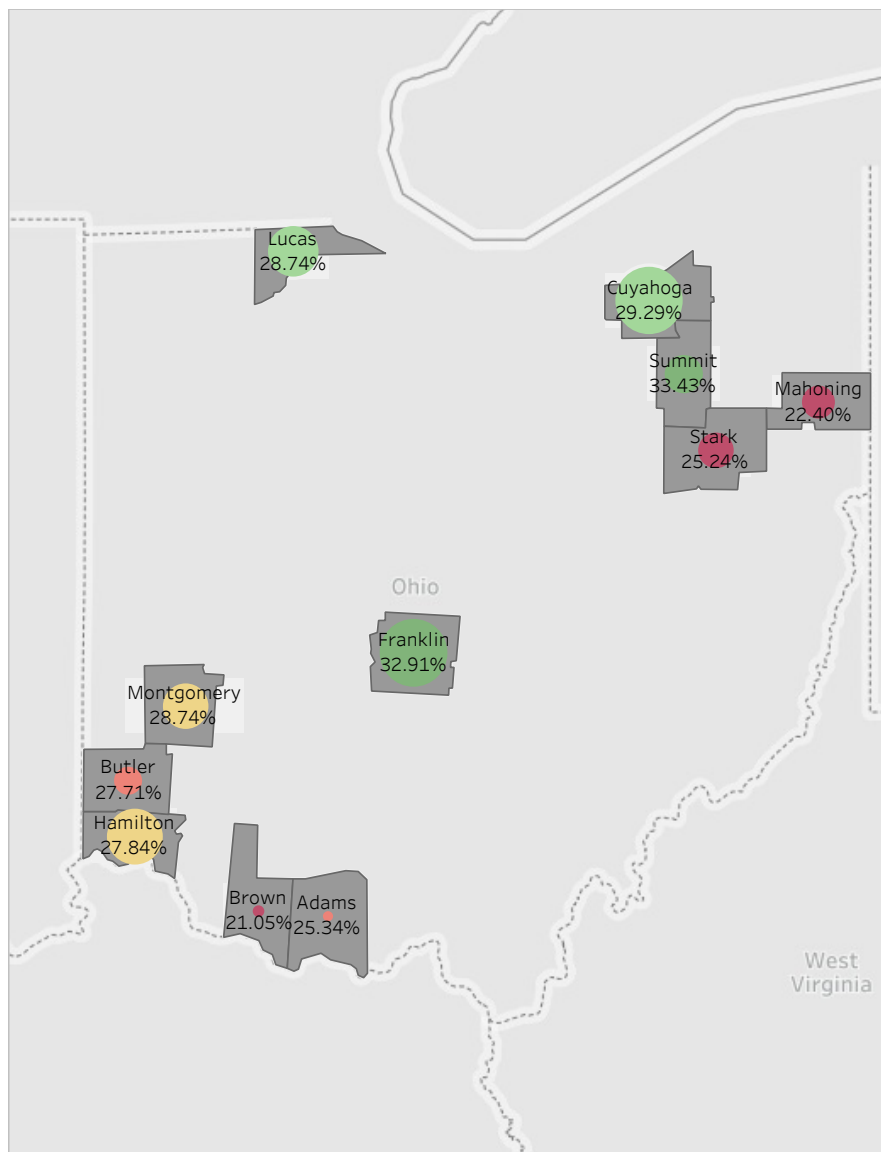


Franklin



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

### OEI Quintiles | CY 2012-2018

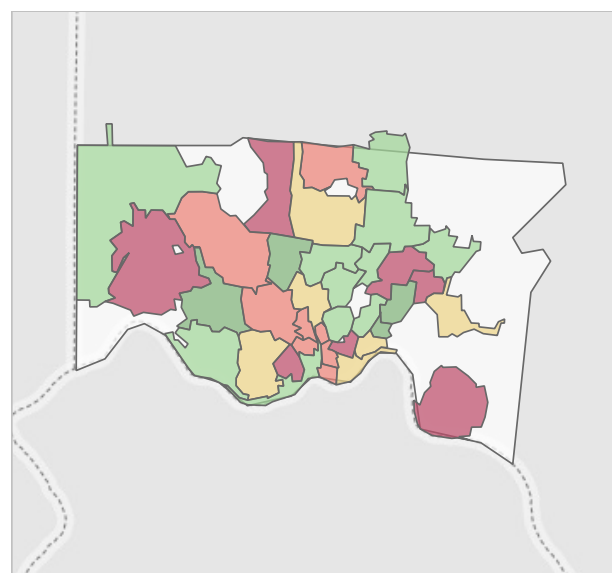


#### Map Measure Ranges

- >= 0 < 25.248%
- >= 25.248% < 27.718%
- >= 27.718% < 28.741%
- >= 28.741% < 32.902%
- >= 32.902%

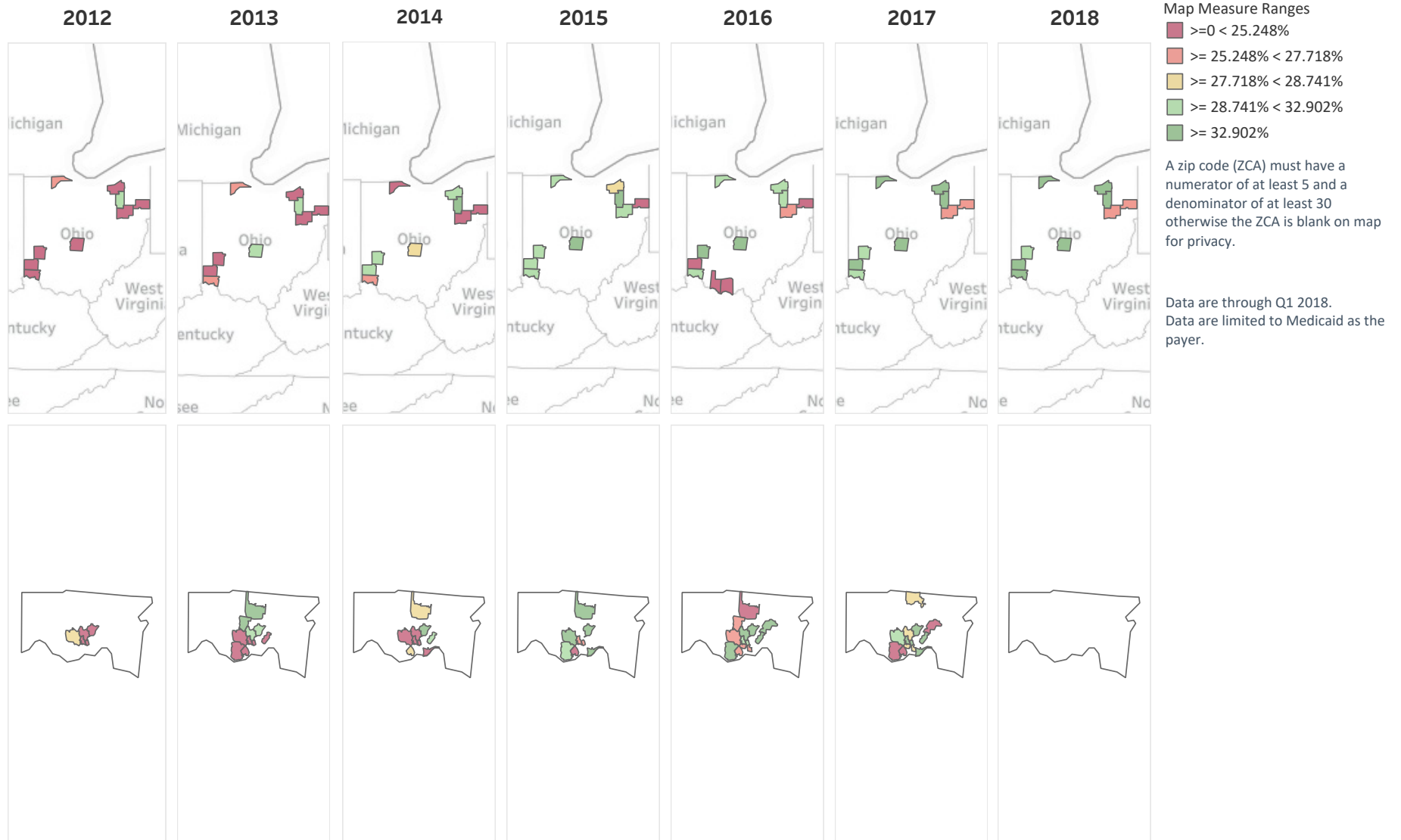
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



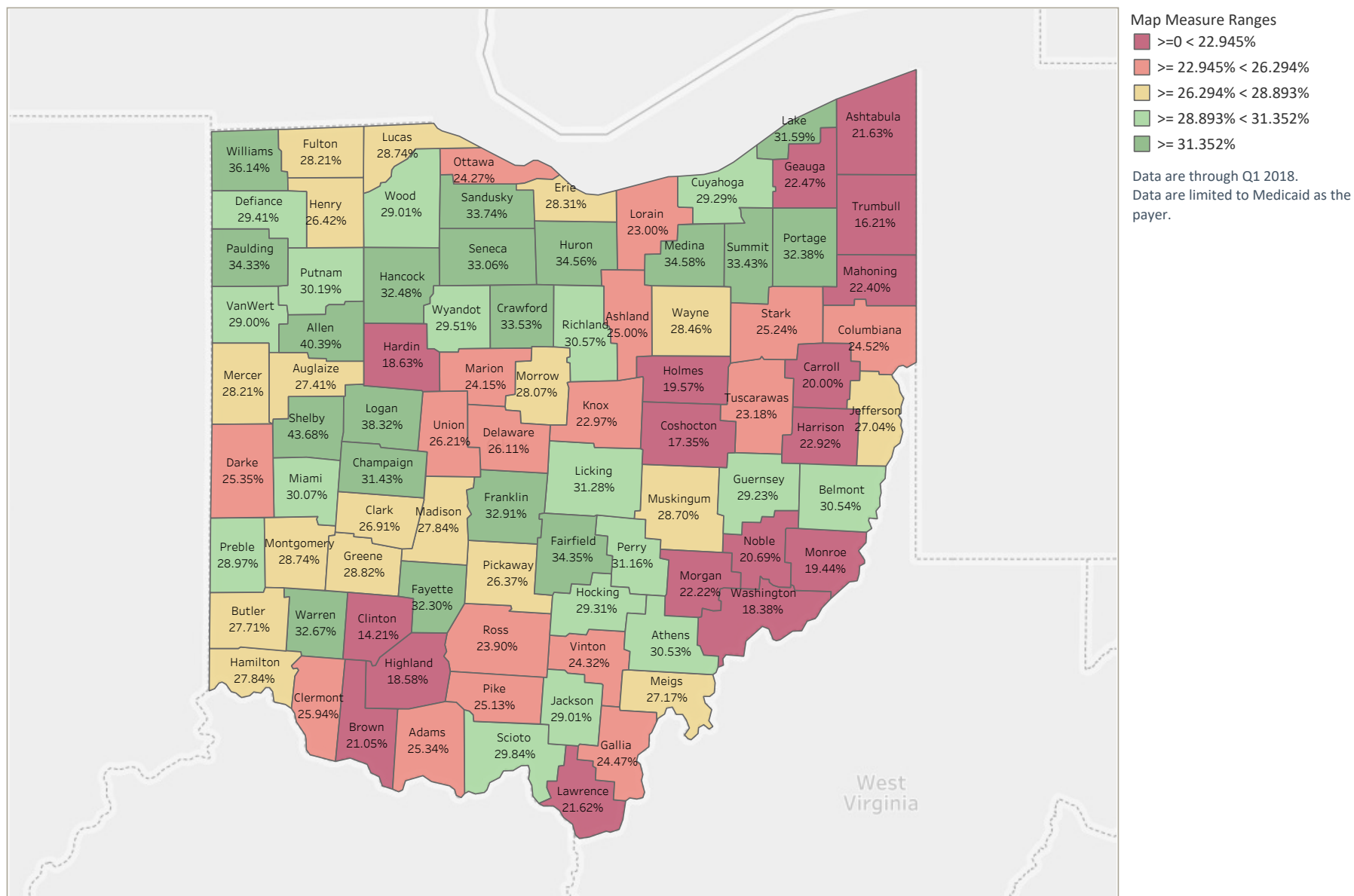
## Hamilton County - Progesterone Use in High Risk Women (%)

### OEI Quintiles | CY 2012-2018 Yearly Comparison





**Statewide - Progesterone Use in High Risk Women (%)**  
Overall Quintiles by County | CY 2012 - 2018





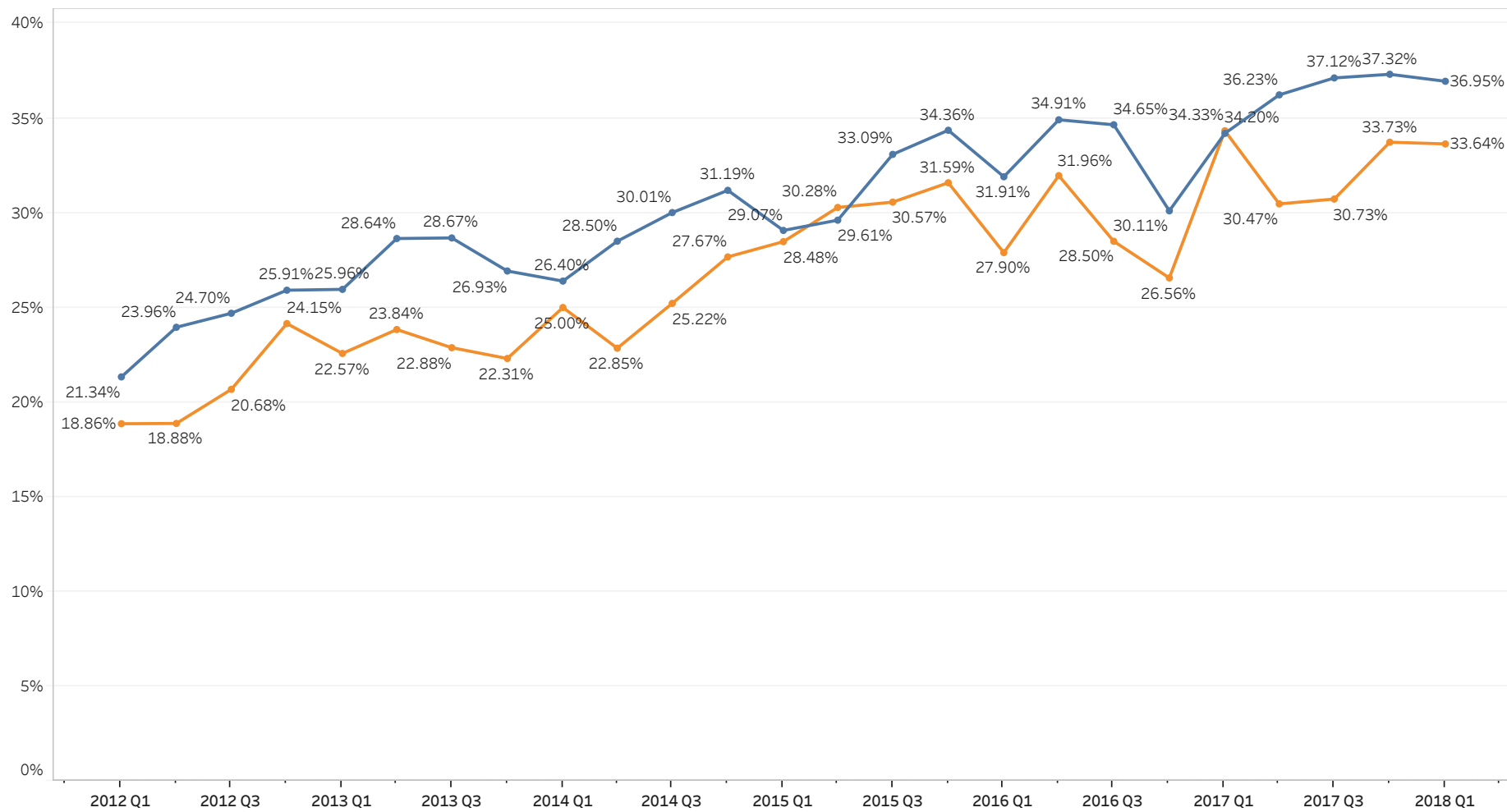
## Quarterly Trends by Race - Progesterone Use in High Risk Women (%)

All OEI Counties | CY 2012-2018

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 2012-2018

Medicaid Plan  
All Plans

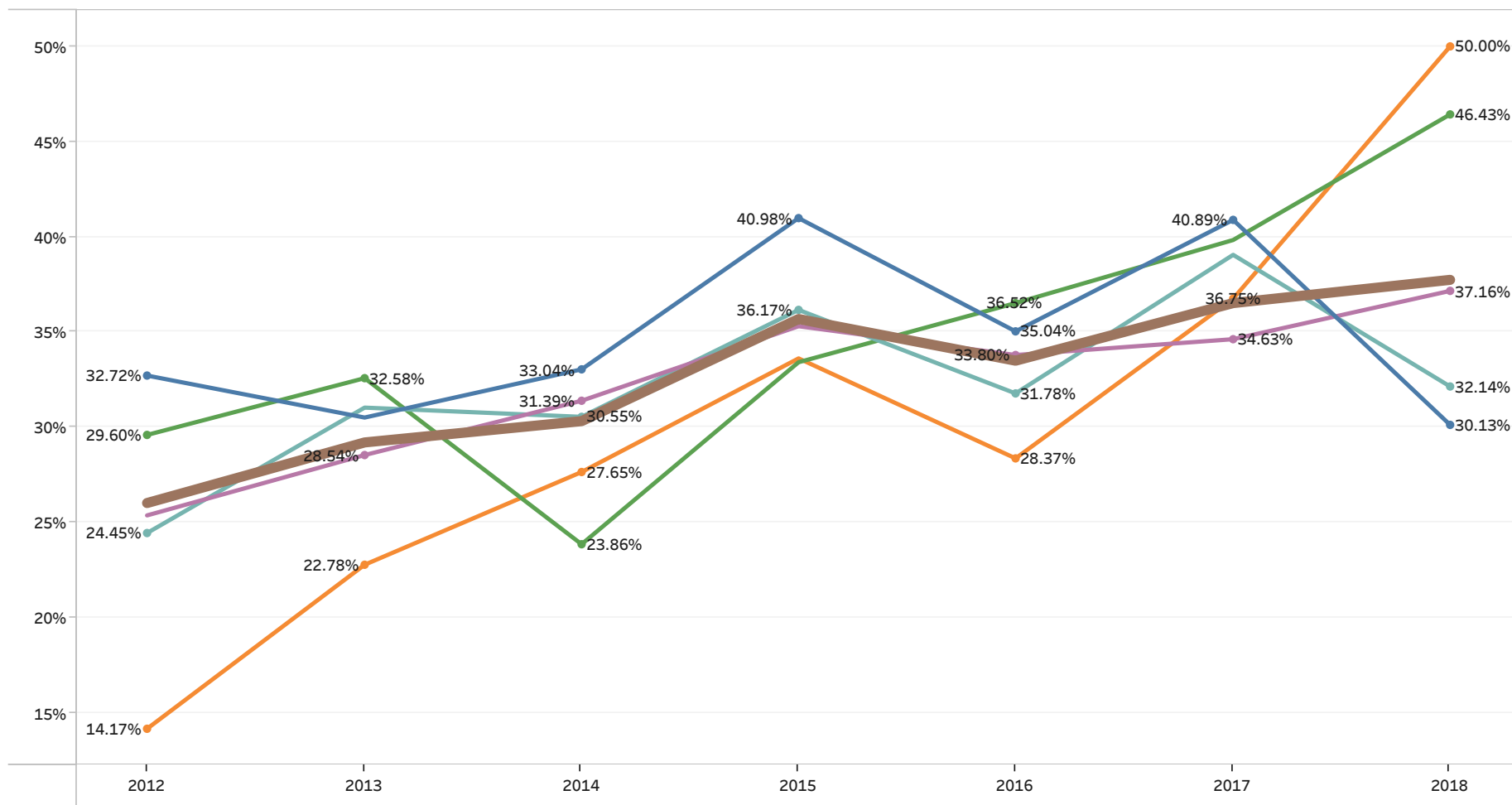
Buckeye

CareSource

Molina

Paramount

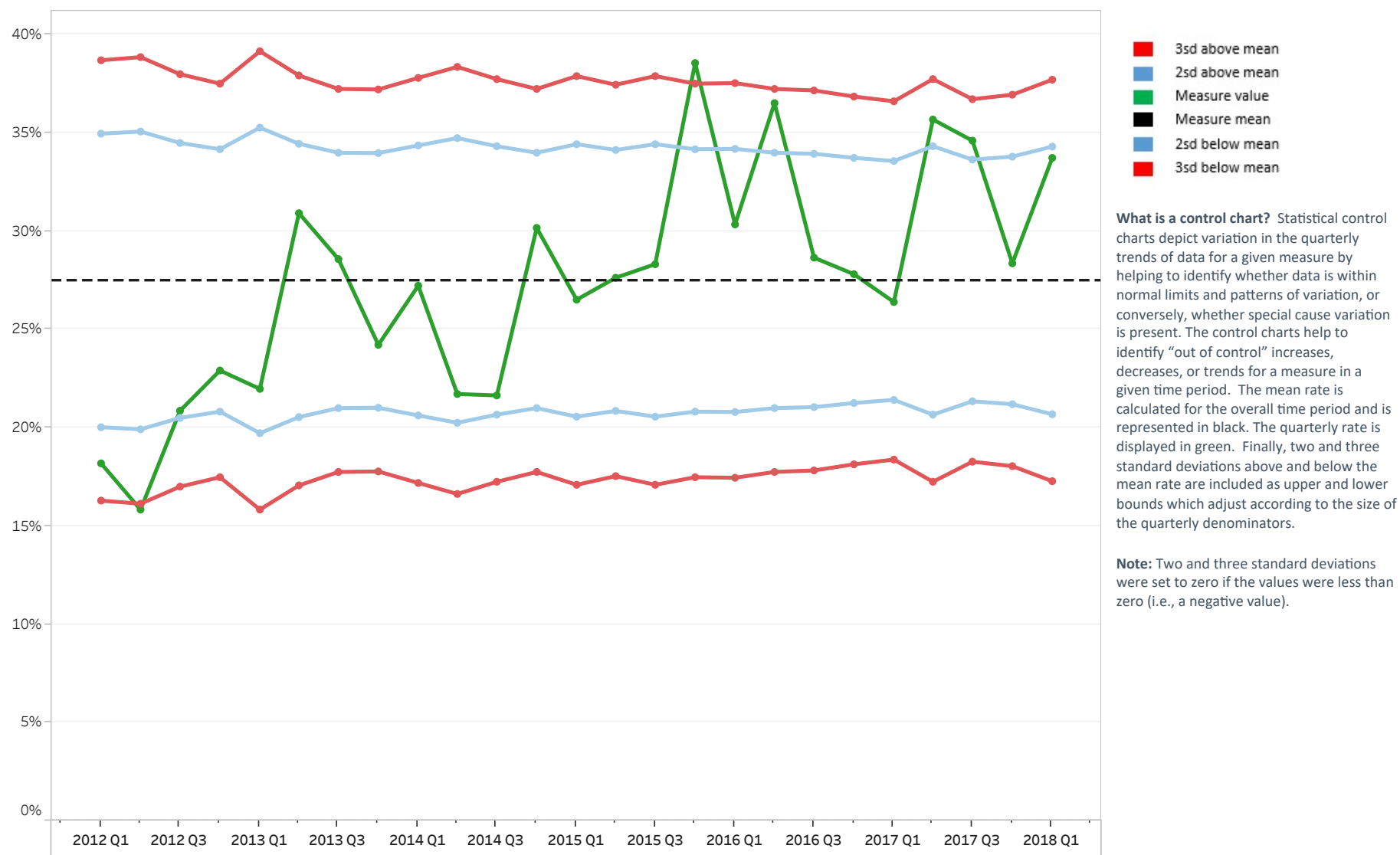
United



Data are through Q1 2018.

Data are limited to Medicaid as the payer.

## Hamilton County Quarterly Control Chart - Progesterone Use in High Risk Women (%) CY 2012-2018



Data are limited to Medicaid as the payer.



## Tobacco Screening & Cessation Counseling (%)

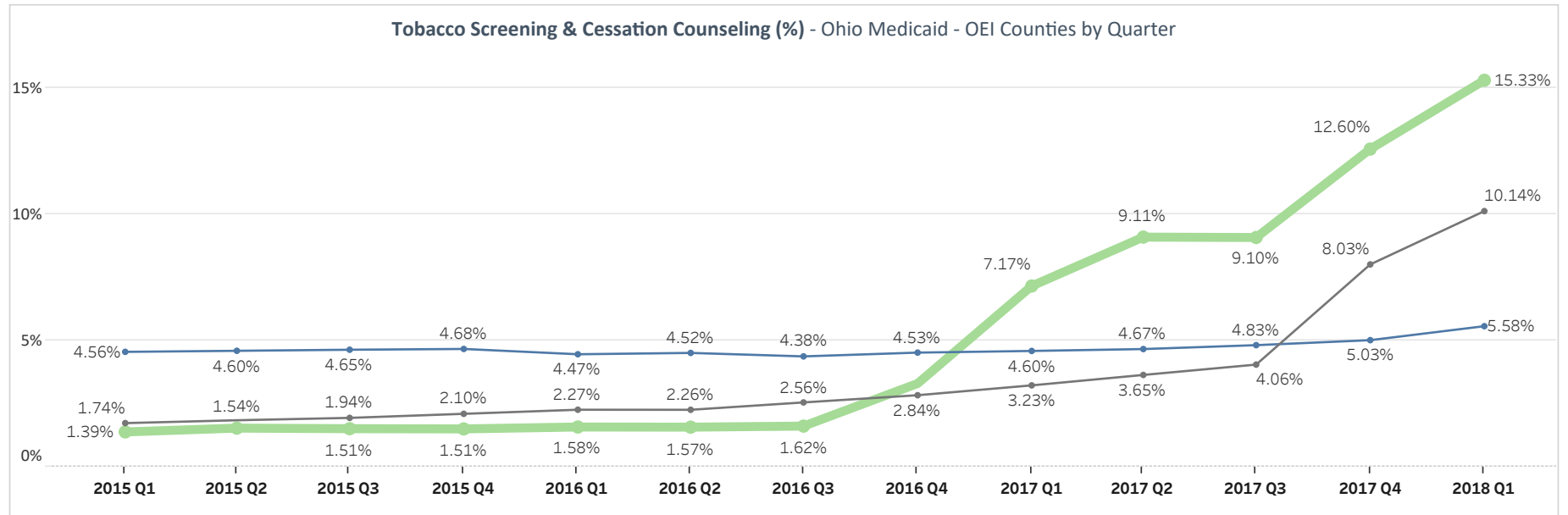


## Hamilton, Cuyahoga, Franklin Counties - Tobacco Screening & Cessation Counseling (%)

### Trends by Quarter | CY 2015-2018

#### Counties

■ Cuyahoga ■ Franklin ■ Hamilton



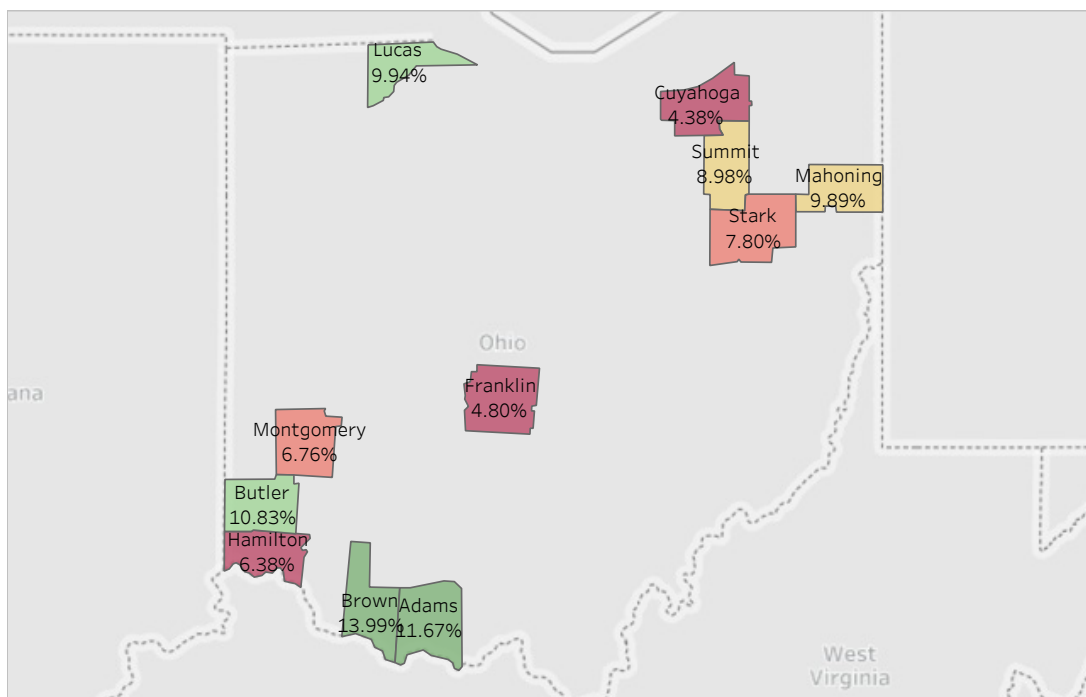
County	Tobacco Screening & Cessation Counseling Aggregate Rate Q1 2015 - Q1 2018	Tobacco Screening & Cessation Counseling Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	4.38%	10.14%	From 3905 to 4005 Women
<b>Hamilton</b>	6.38%	15.33%	From 3344 to 3436 Women
Franklin	4.80%	5.58%	From 3580 to 3676 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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.



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

### OEI County Quintiles | CY 2015-2018



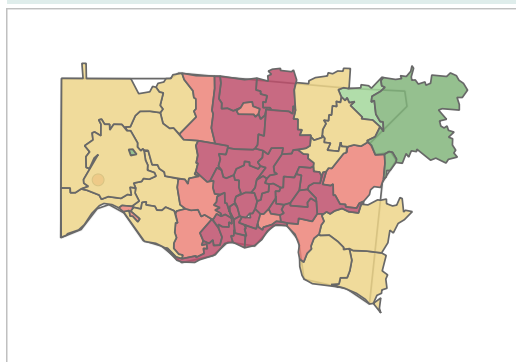
#### Map Measure Ranges

- $\geq 0 < 6.390\%$
- $\geq 6.390\% < 7.811\%$
- $\geq 7.811\% < 9.927\%$
- $\geq 9.927\% < 11.656\%$
- $\geq 11.656\%$

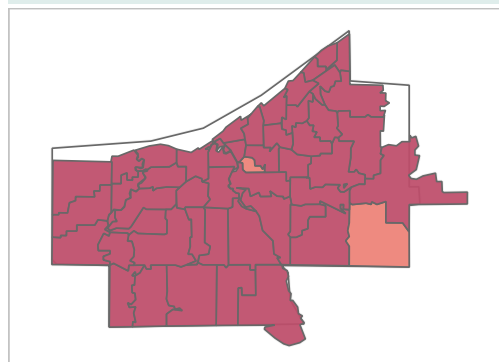
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.

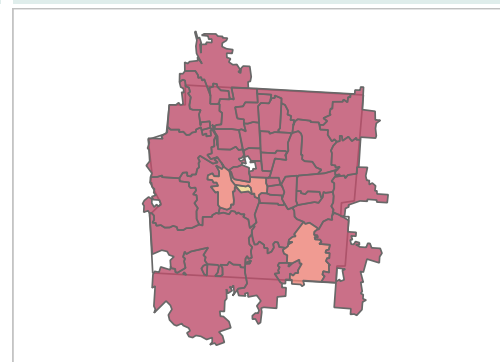
Hamilton



Cuyahoga

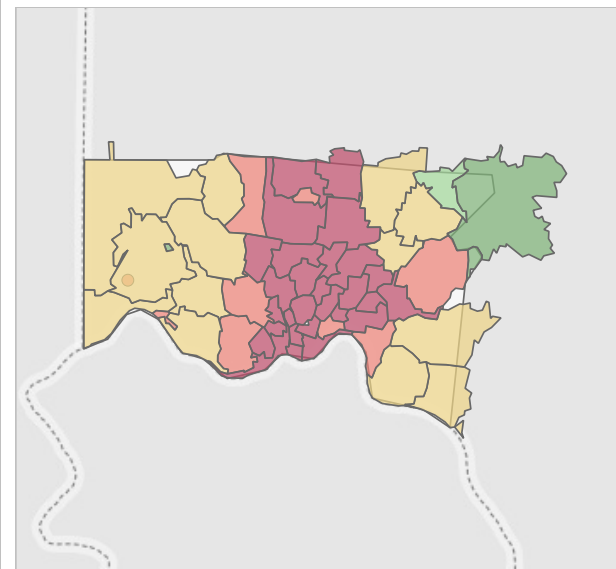
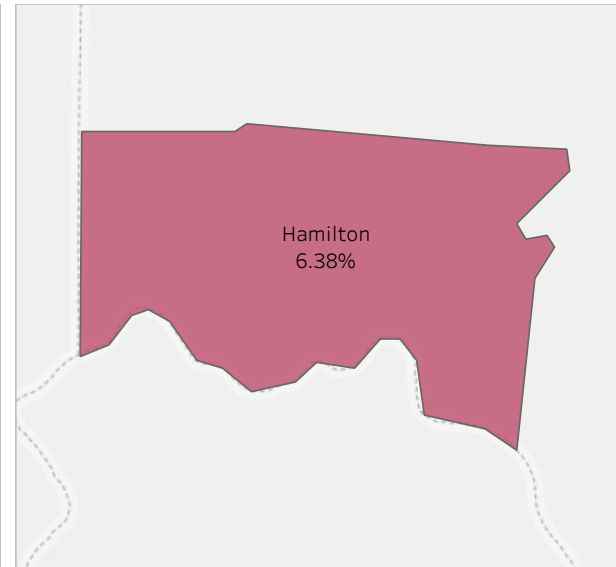
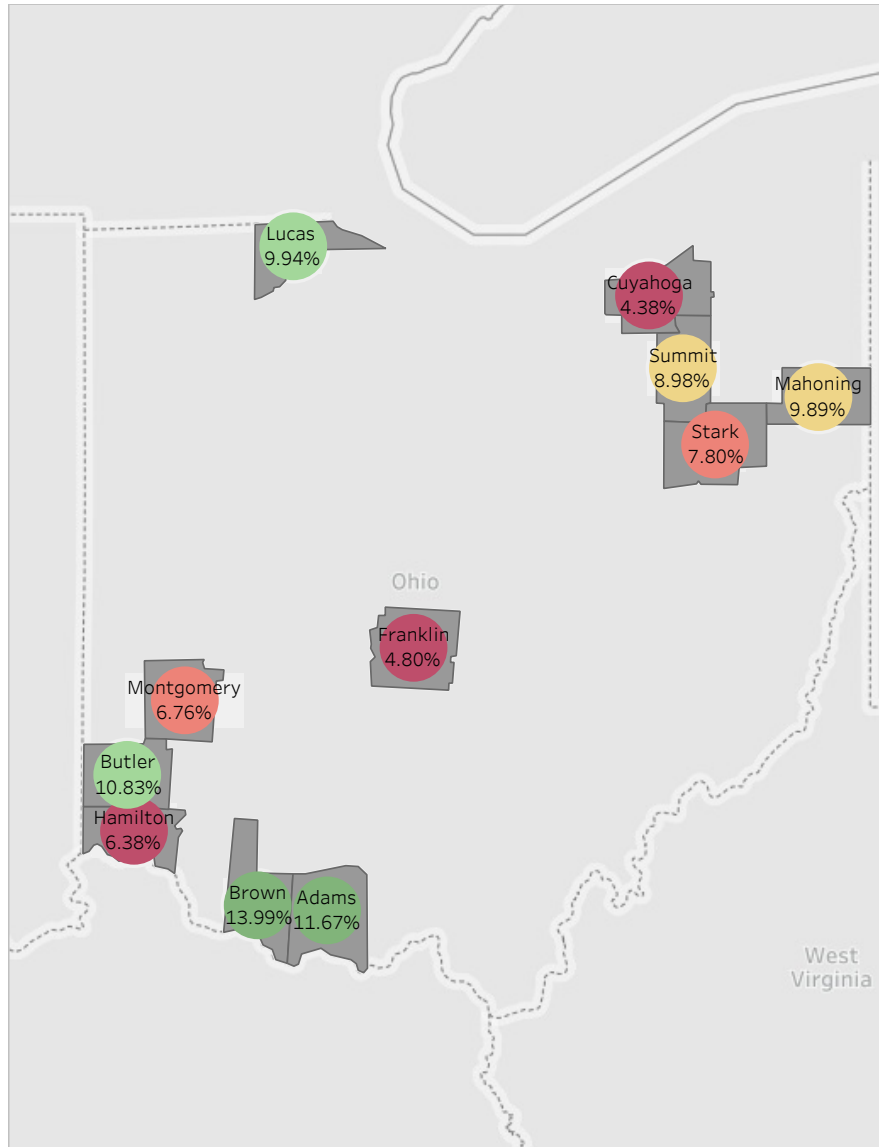


Franklin



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

### OEI Quintiles | CY 2015-2018



#### Map Measure Ranges

- $\geq 0 < 6.390\%$
- $\geq 6.390\% < 7.811\%$
- $\geq 7.811\% < 9.927\%$
- $\geq 9.927\% < 11.656\%$
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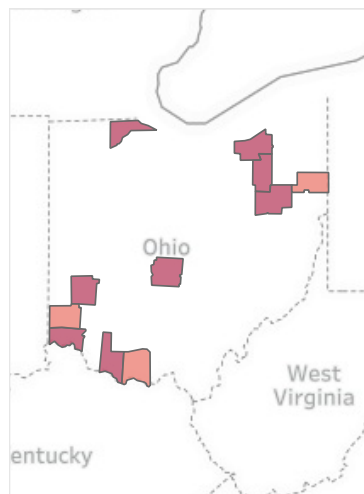
Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



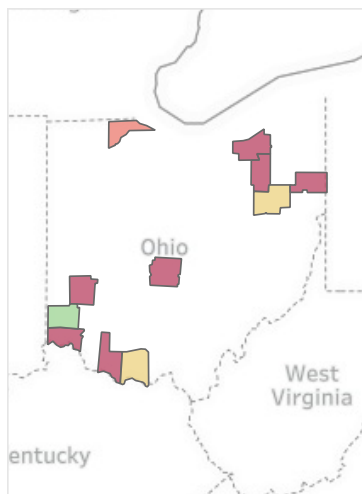
## Hamilton County - Tobacco Screening & Cessation Counseling (%)

### OEI Quintiles | CY 2015-2018 Yearly Comparison

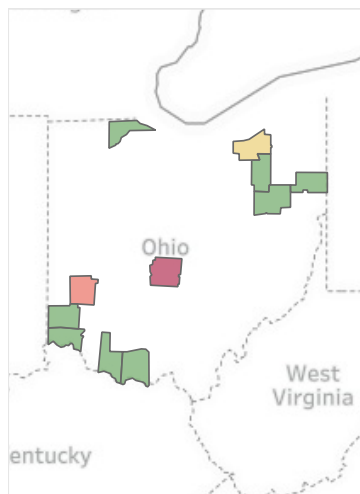
CY 2015



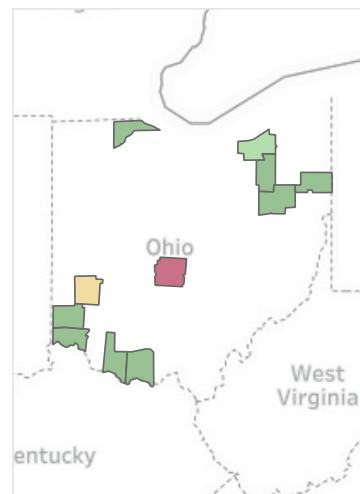
CY 2016



CY 2017



Q1 2018

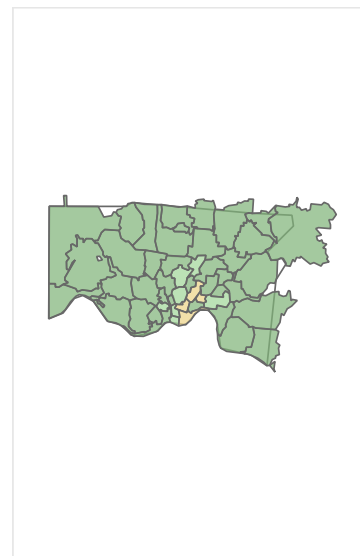
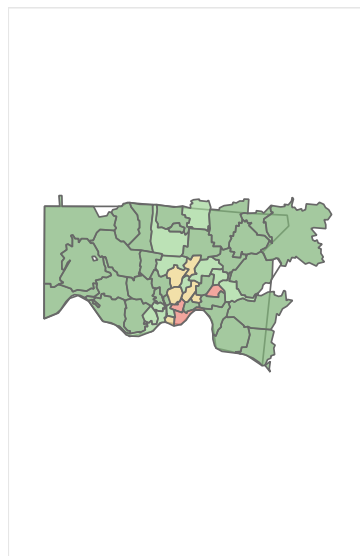
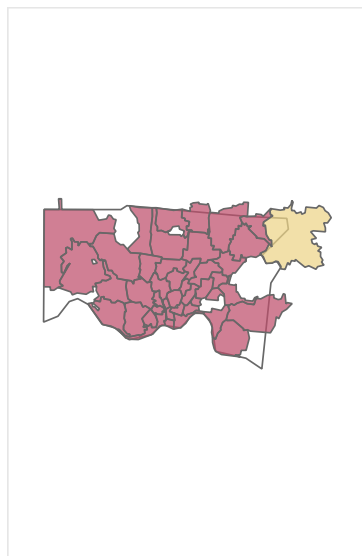
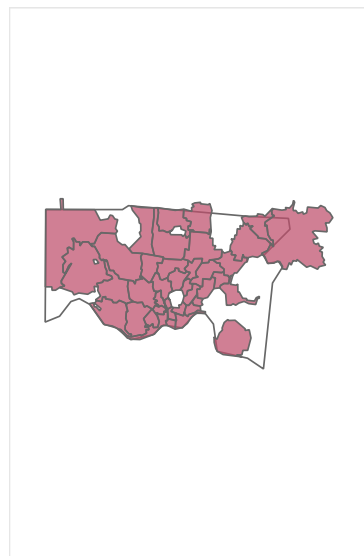


#### Map Measure Ranges

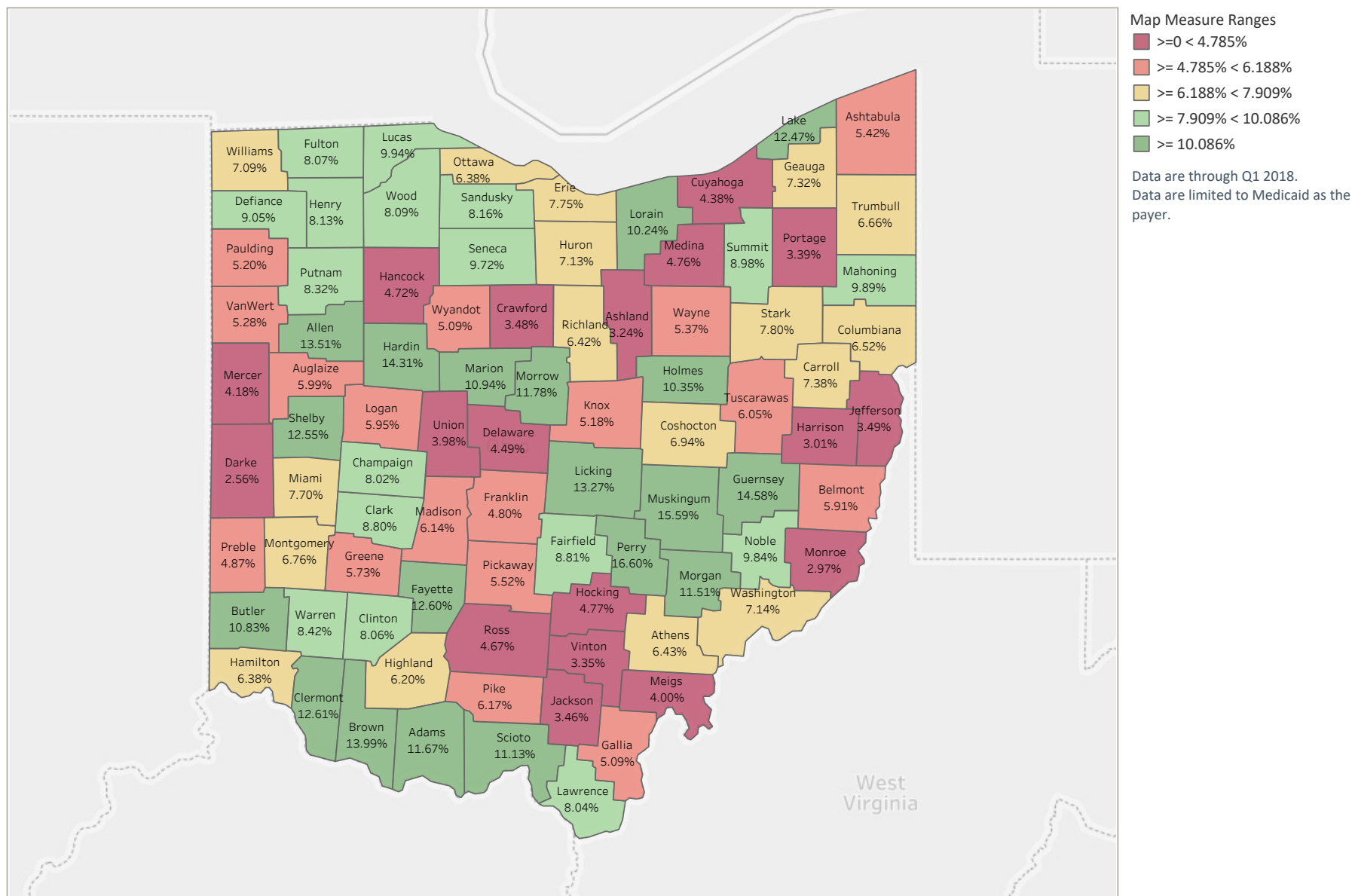
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- $\geq 9.927\% < 11.656\%$
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Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



**Statewide - Tobacco Screening & Cessation Counseling (%)**  
Overall Quintiles by County | CY 2015 - 2018





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

All OEI Counties | CY 2015-2018

Medicaid Plan

All Plans

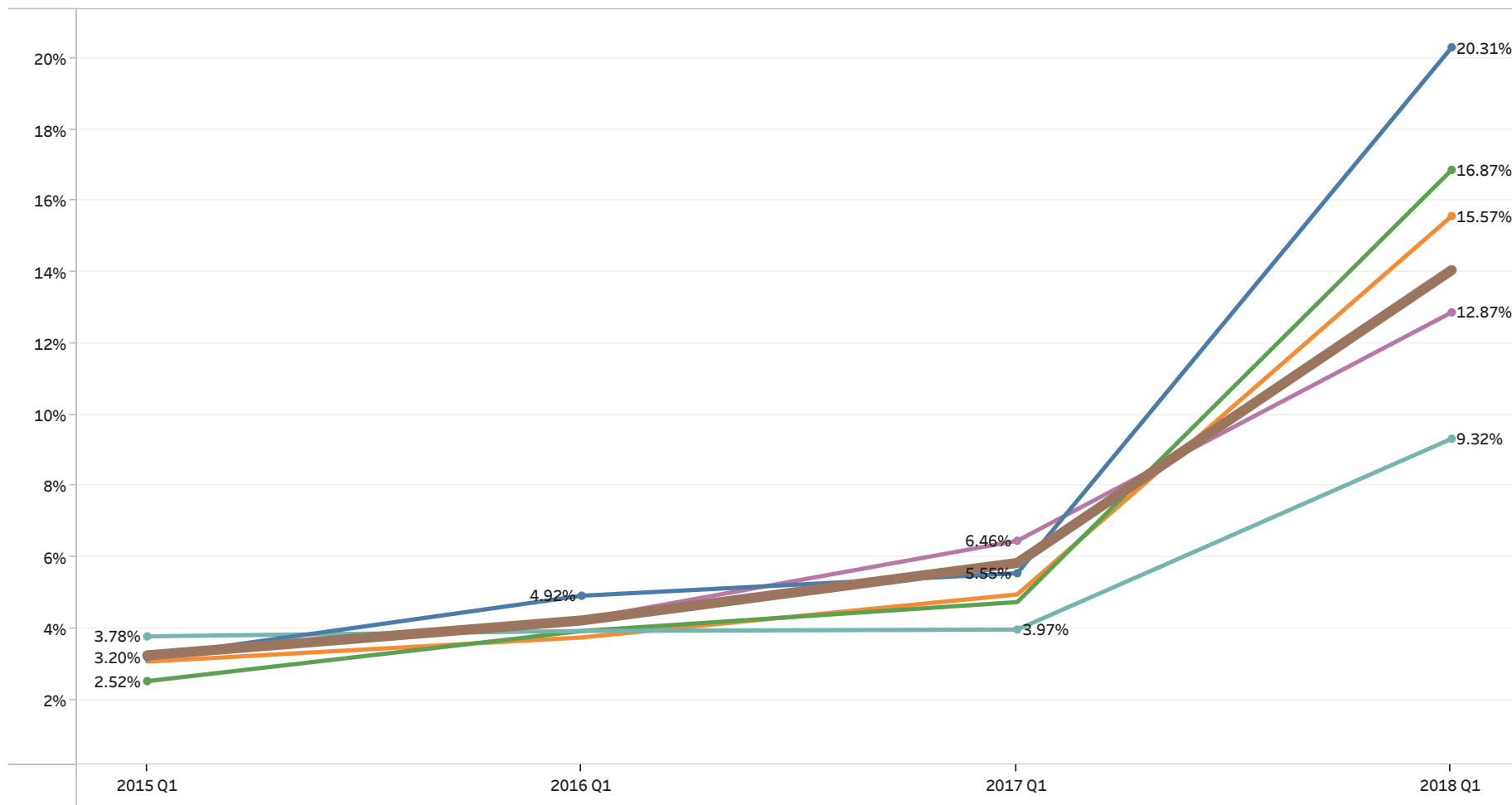
Buckeye

CareSource

Molina

Paramount

United



Data are through Q1 2018.

Data are limited to Medicaid as the payer.



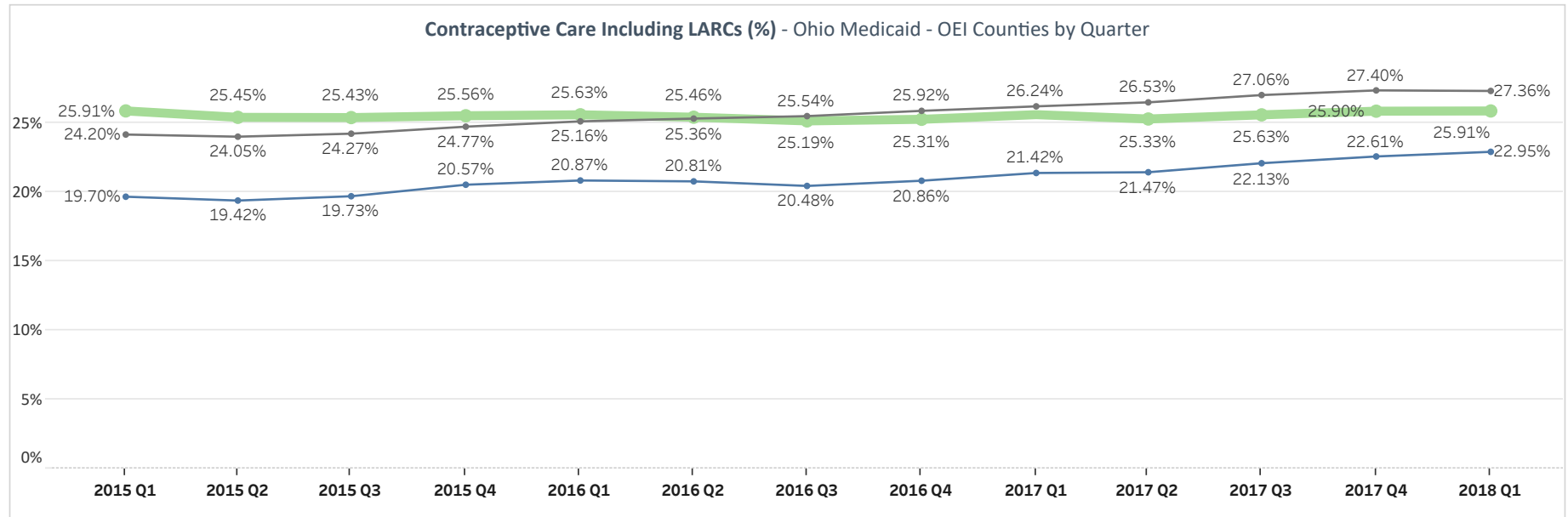
## Contraceptive Care Including LARCs (%)

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

### Trends by Quarter | CY 2015-2018

Counties

■ Cuyahoga ■ Franklin ■ Hamilton

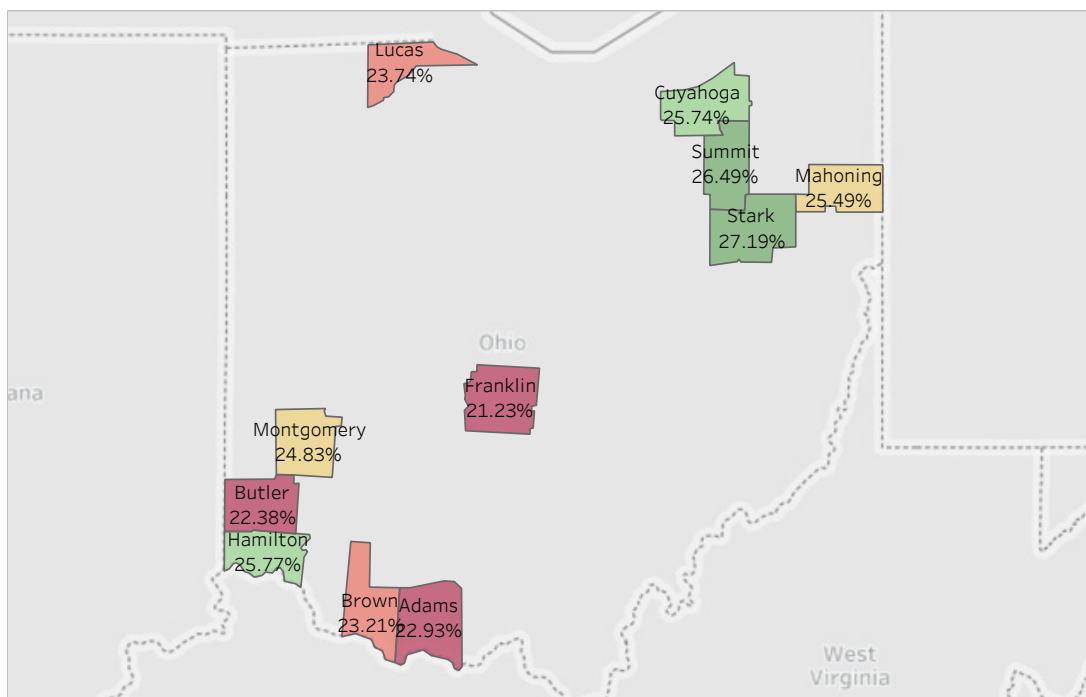


County	Contraceptive Care Including LARCs Aggregate Rate Q1 2015 - Q1 2018	Contraceptive Care Including LARCs Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	25.74%	27.36%	From 24690 to 24913 Women
<b>Hamilton</b>	25.77%	25.91%	From 14609 to 14781 Women
Franklin	21.23%	22.95%	From 17650 to 17844 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 – Q1 2018) 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 Q1 2018. 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).

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

### OEI County Quintiles | CY 2015-2018



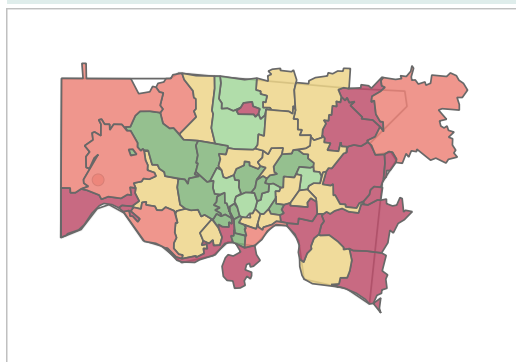
#### Map Measure Ranges

- $\geq 0 < 22.943\%$
- $\geq 22.943\% < 23.746\%$
- $\geq 23.746\% < 25.727\%$
- $\geq 25.727\% < 26.478\%$
- $\geq 26.478\%$

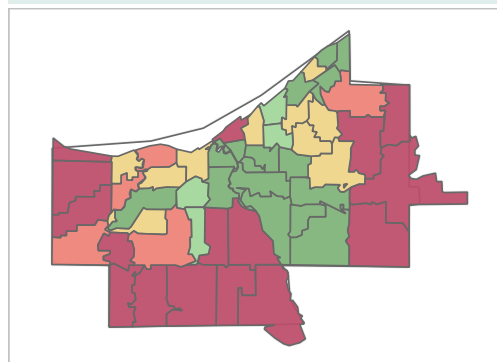
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.

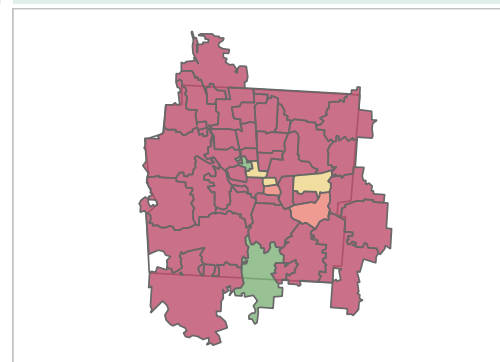
Hamilton



Cuyahoga

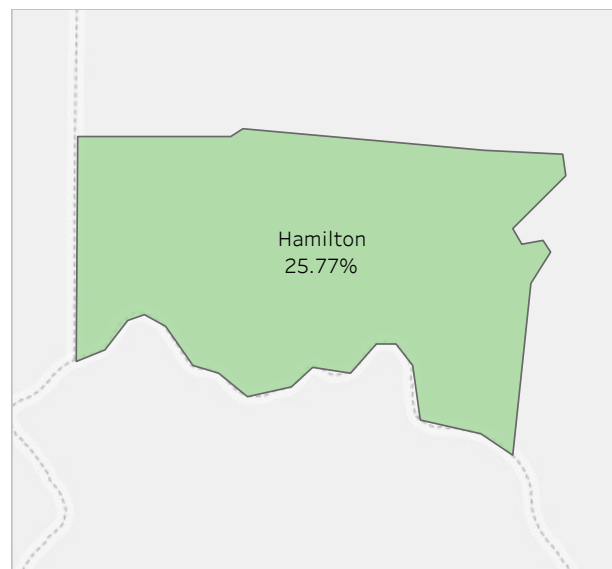
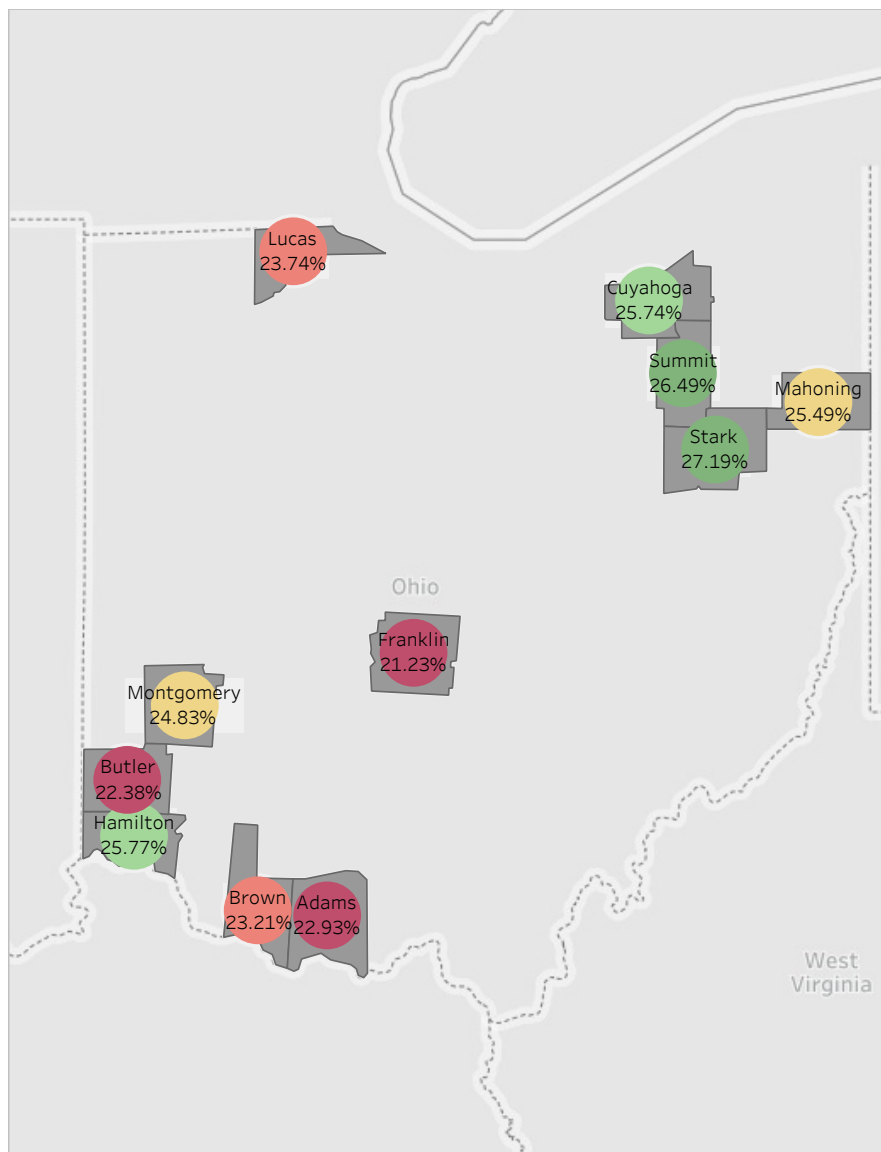


Franklin



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

### OEI Quintiles | CY 2015-2018

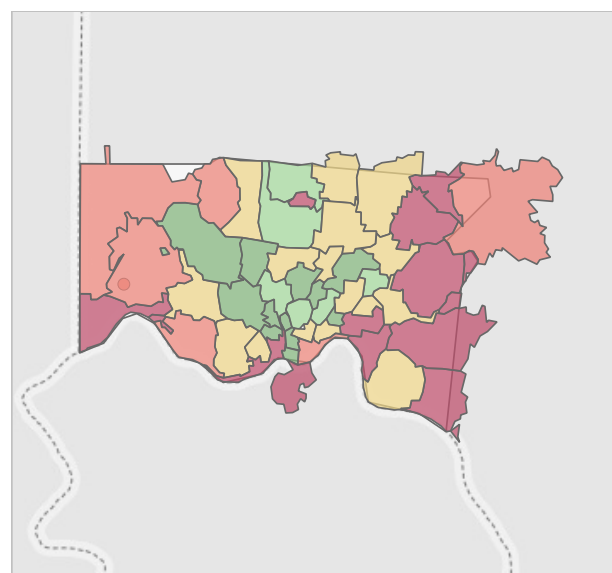


#### Map Measure Ranges

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- >= 22.943% < 23.746%
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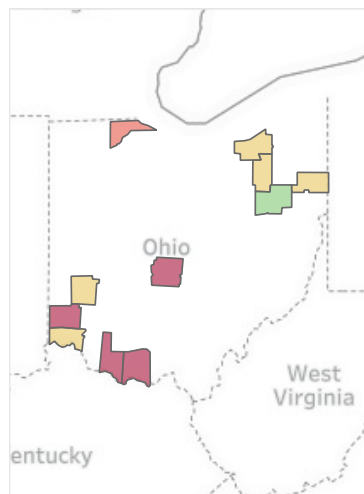
Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



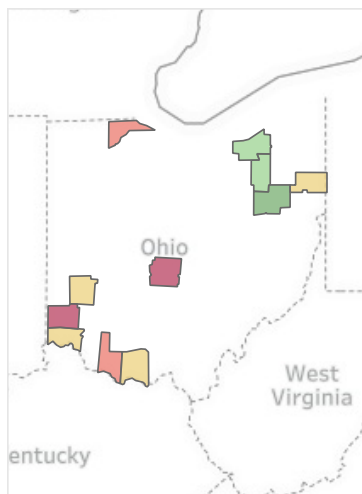
## Hamilton County - Contraceptive Care Including LARCs (%)

### OEI Quintiles | CY 2015-2018 Yearly Comparison

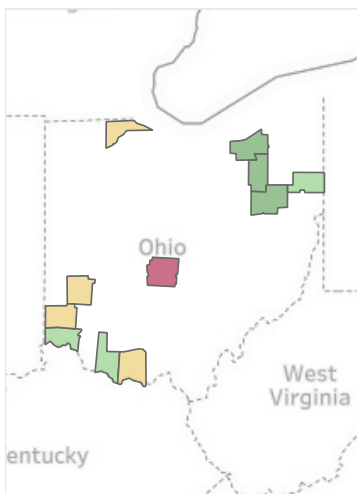
CY 2015



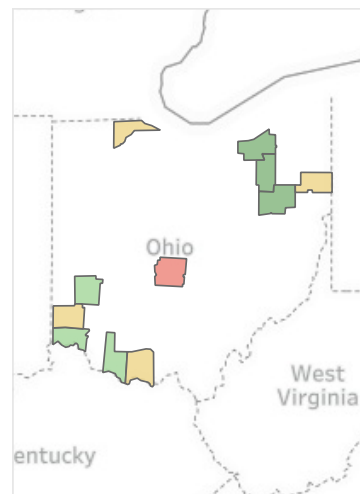
CY 2016



CY 2017



Q1 2018

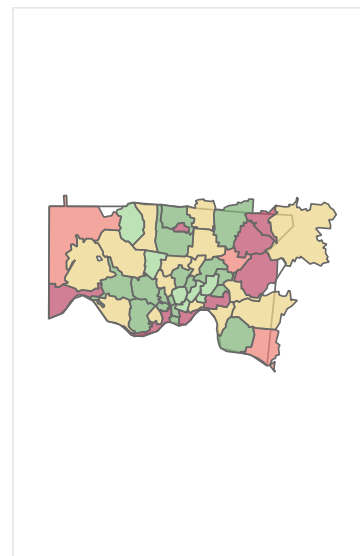
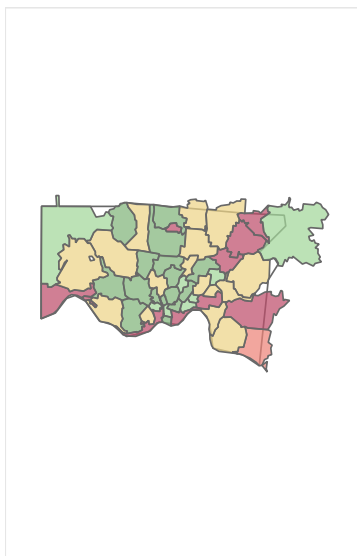
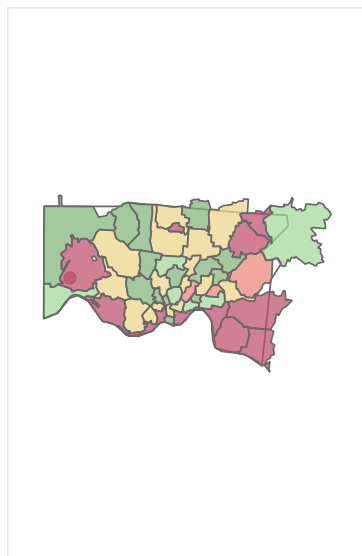
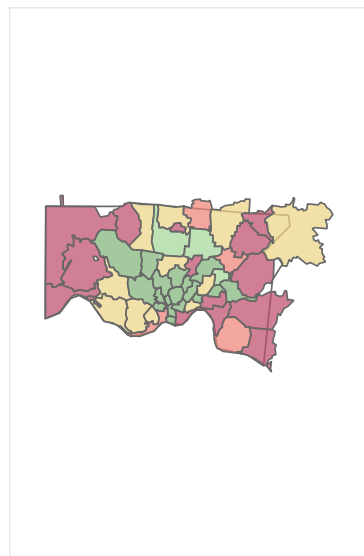


Map Measure Ranges

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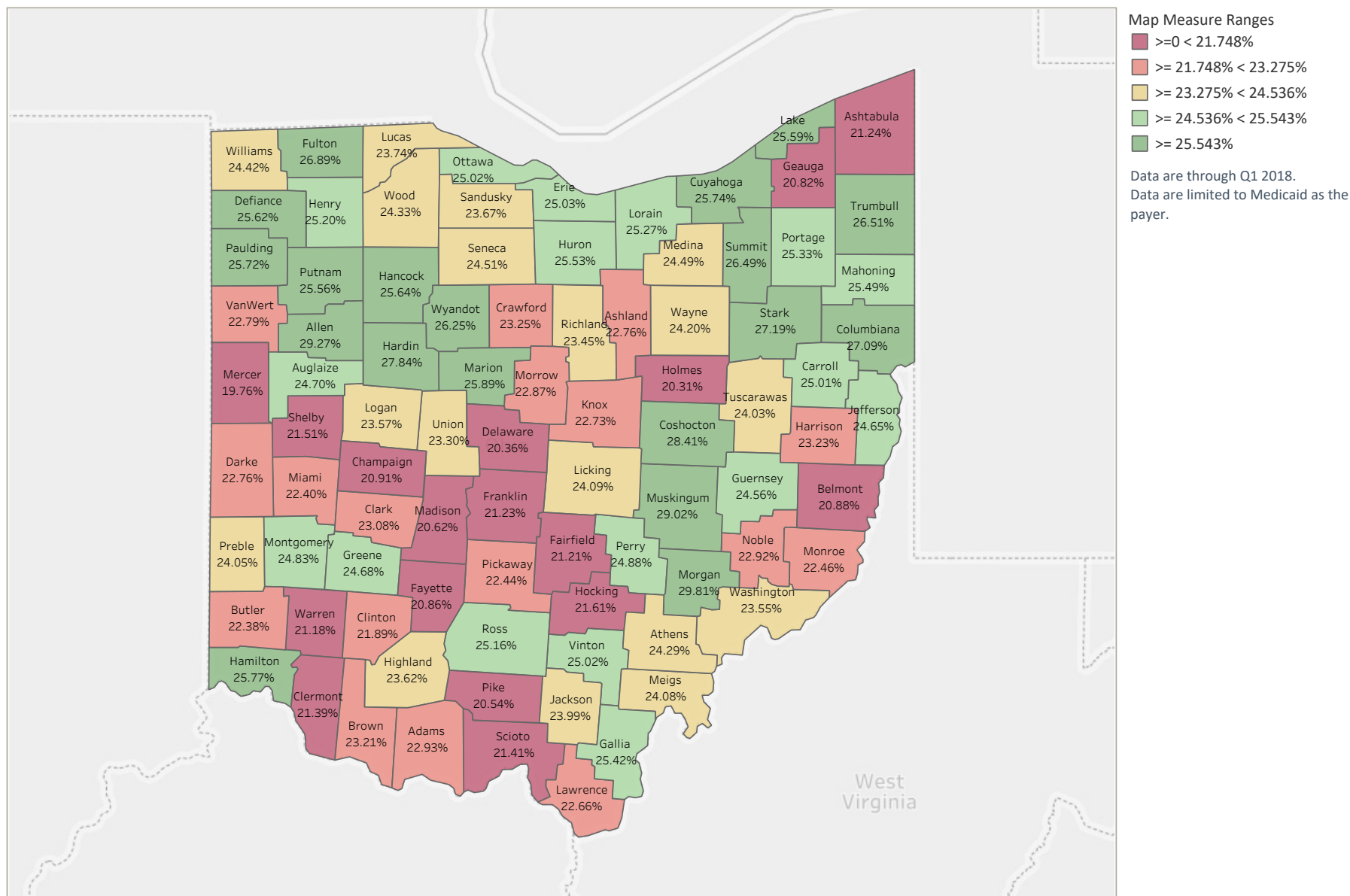
Data are through Q1 2018.  
Data are limited to Medicaid as the payer.





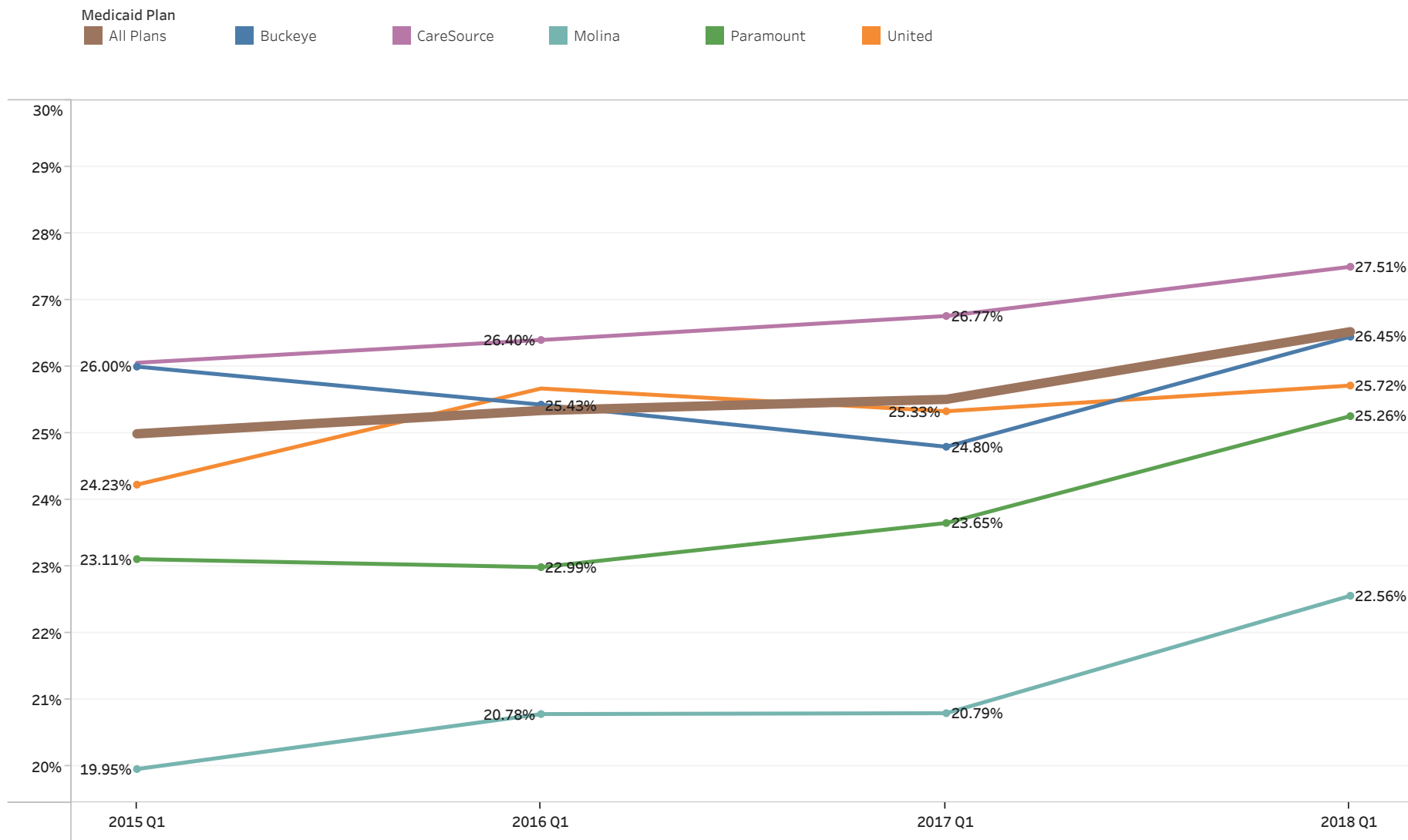
## Statewide - Contraceptive Care Including LARCs (%)

### Overall Quintiles by County | CY 2015 - 2018





### Yearly Trends by MCP - Contraceptive Care Including LARCs (%) All OEI Counties | CY 2015-2018



Data are through Q1 2018.

Data are limited to Medicaid as the payer.



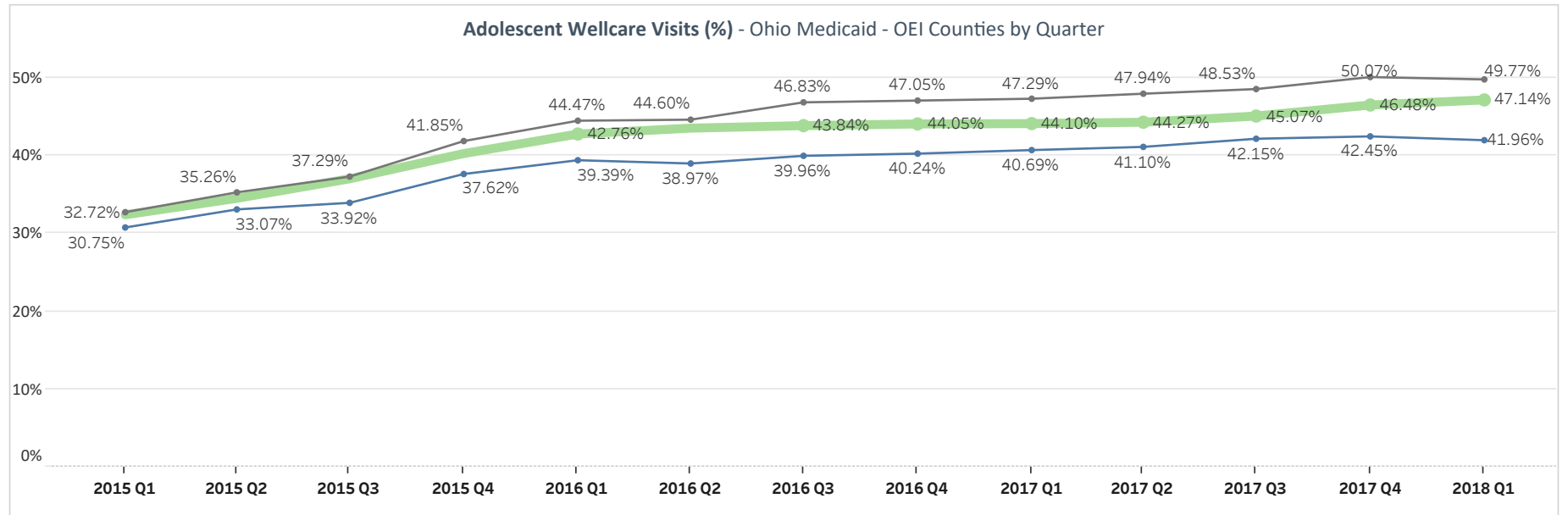
## Adolescent Wellcare Visits (%)

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

### Trends by Quarter | CY 2015-2018

Counties

■ Cuyahoga ■ Franklin ■ Hamilton

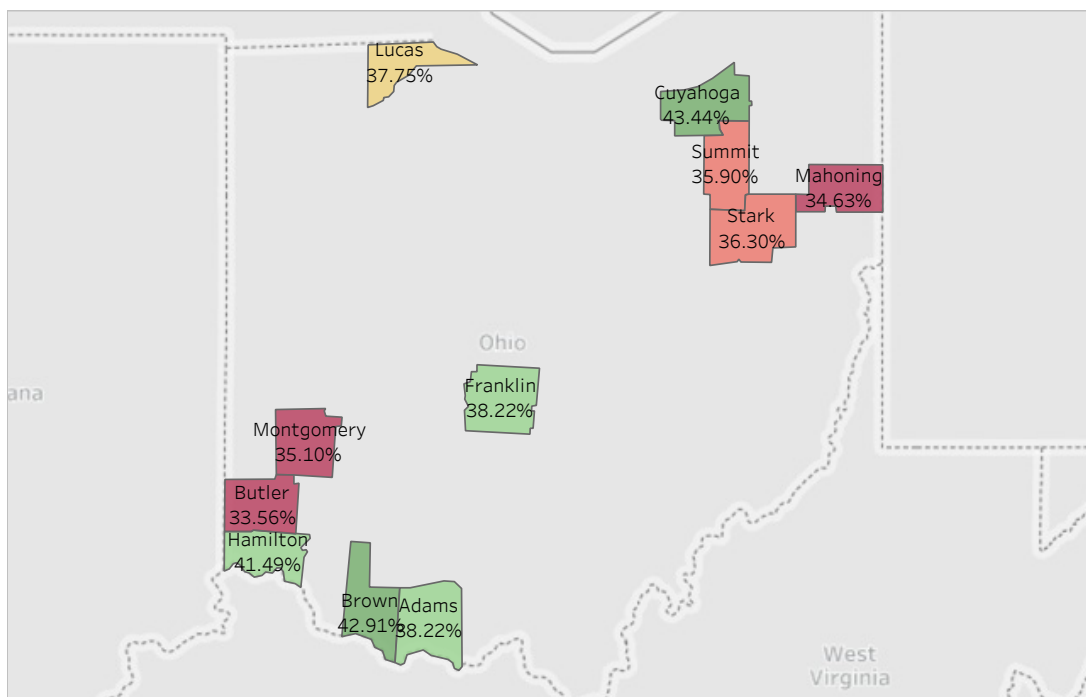


County	Adolescent Wellcare Visits Aggregate Rate Q1 2015 - Q1 2018	Adolescent Wellcare Visits Current Rate Q2 2017 - Q1 2018	Annual Target for Real Impact*
Cuyahoga	43.44%	49.77%	From 18262 to 18429 Women
<b>Hamilton</b>	41.49%	47.14%	From 10382 to 10511 Women
Franklin	38.22%	41.96%	From 14427 to 14583 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 – Q1 2018) 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 Q1 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

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

### OEI County Quintiles | CY 2015-2018



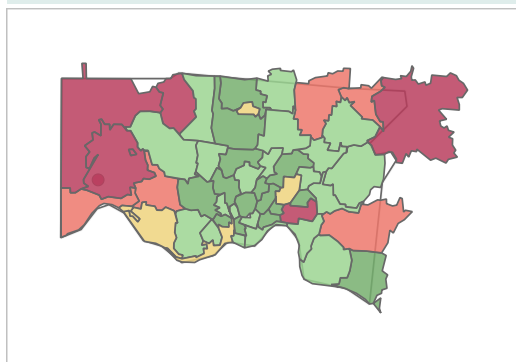
#### Map Measure Ranges

- $\geq 0 < 35.107\%$
- $\geq 35.107\% < 36.308\%$
- $\geq 36.308\% < 38.219\%$
- $\geq 38.219\% < 42.902\%$
- $\geq 42.902\%$

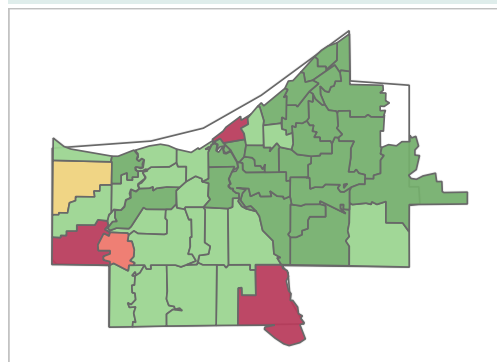
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Data are limited to Medicaid as the payer.

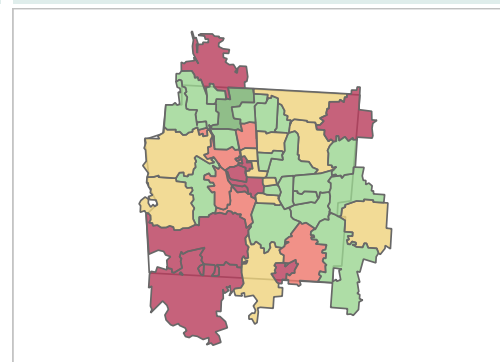
Hamilton



Cuyahoga

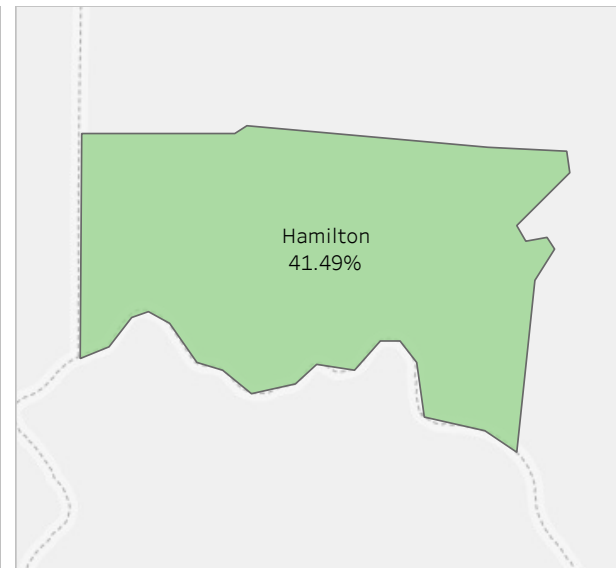
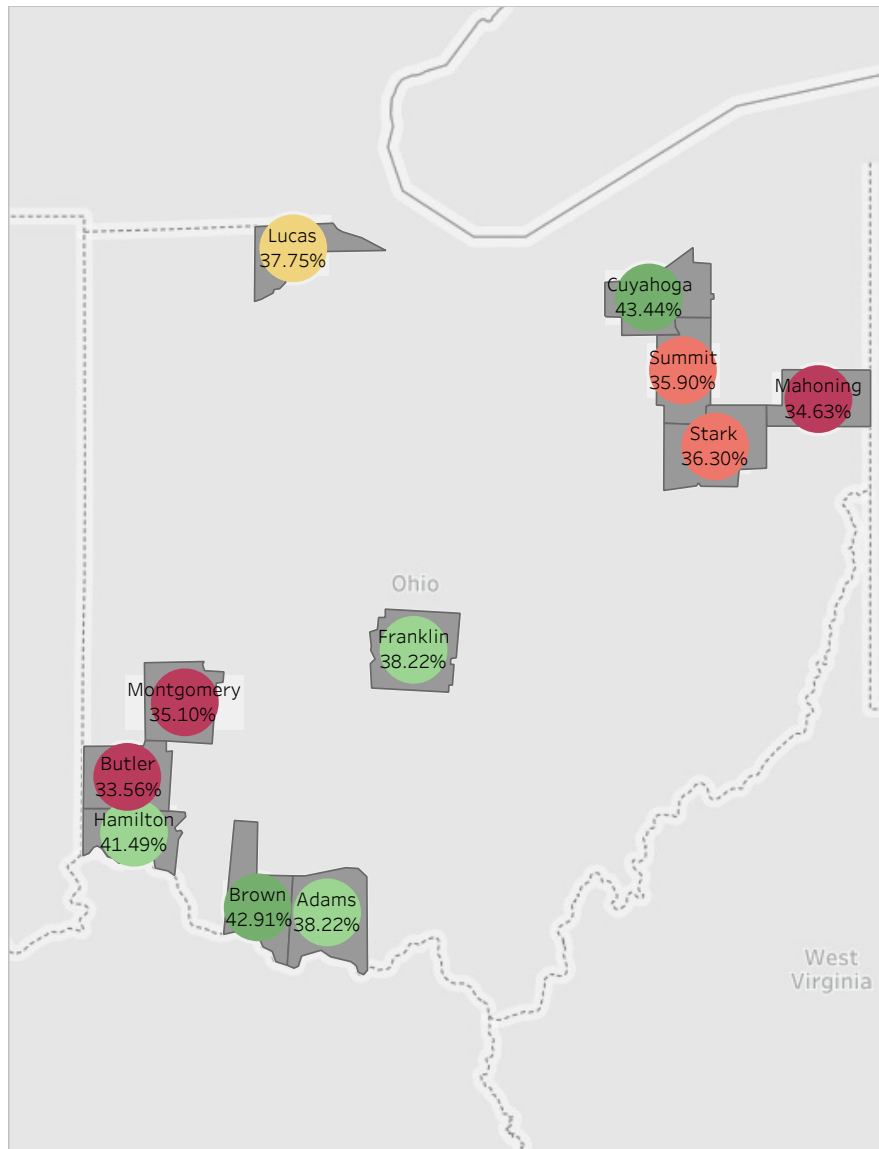


Franklin



## Hamilton County - Adolescent Wellcare Visits (%)

OEI Quintiles | CY 2015-2018

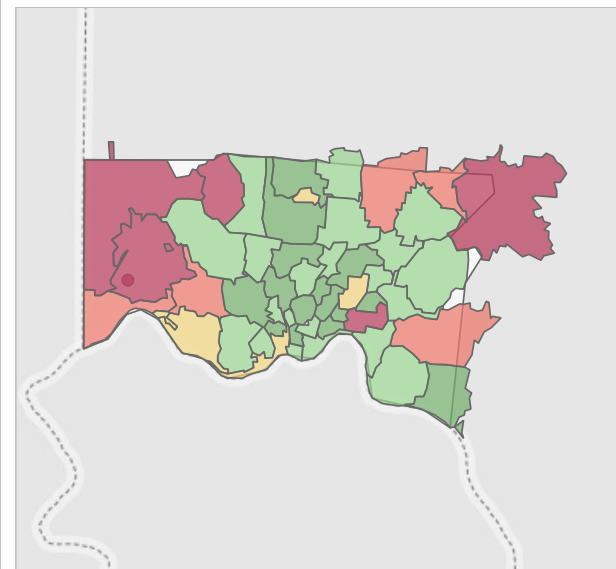


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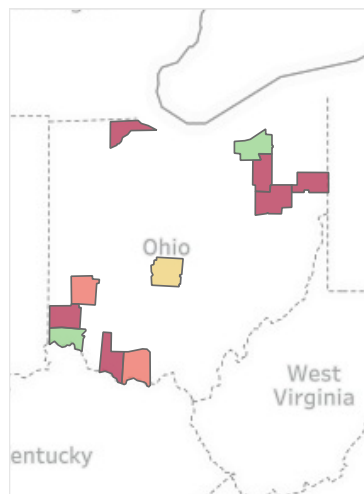
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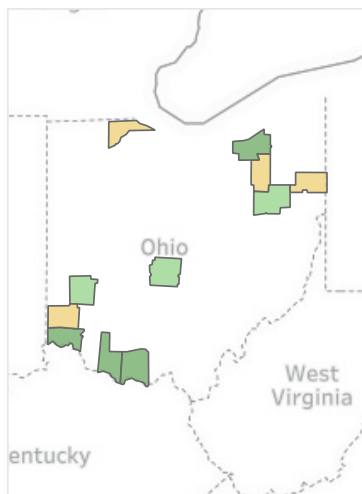
## Hamilton County - Adolescent Wellcare Visits (%)

### OEI Quintiles | CY 2015-2018 Yearly Comparison

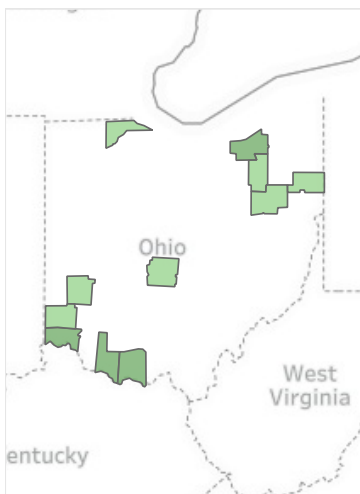
CY 2015



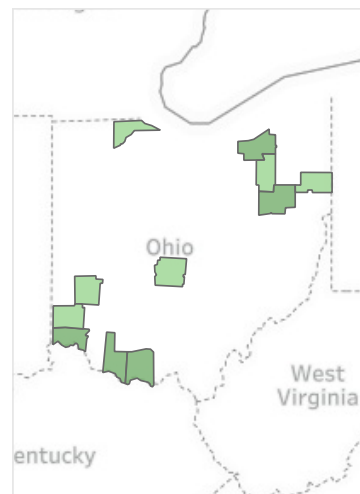
CY 2016



CY 2017



Q1 2018

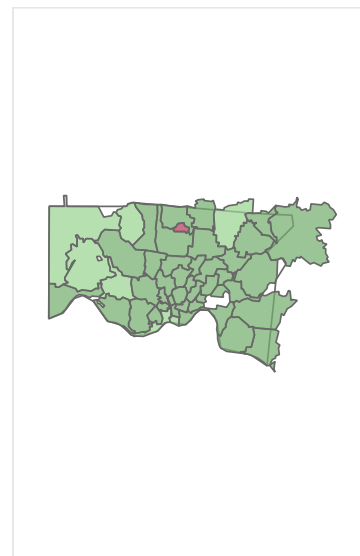
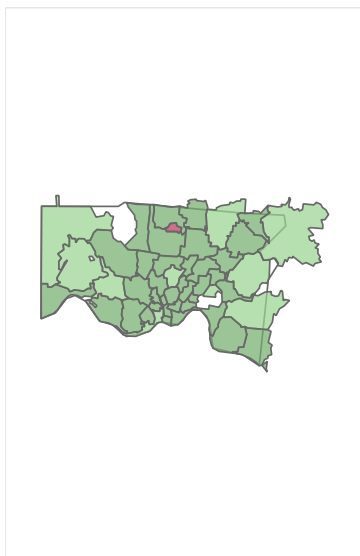
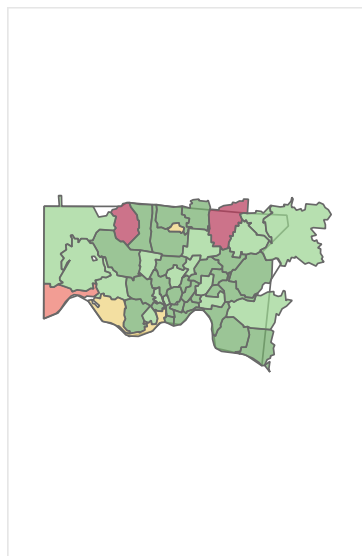
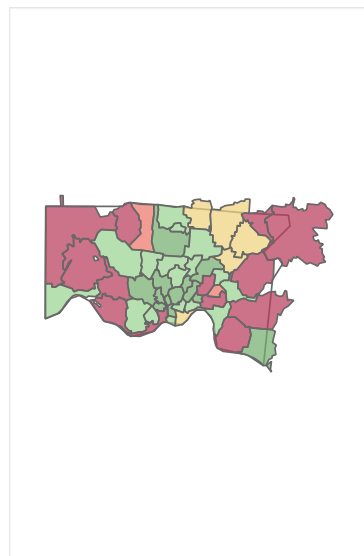


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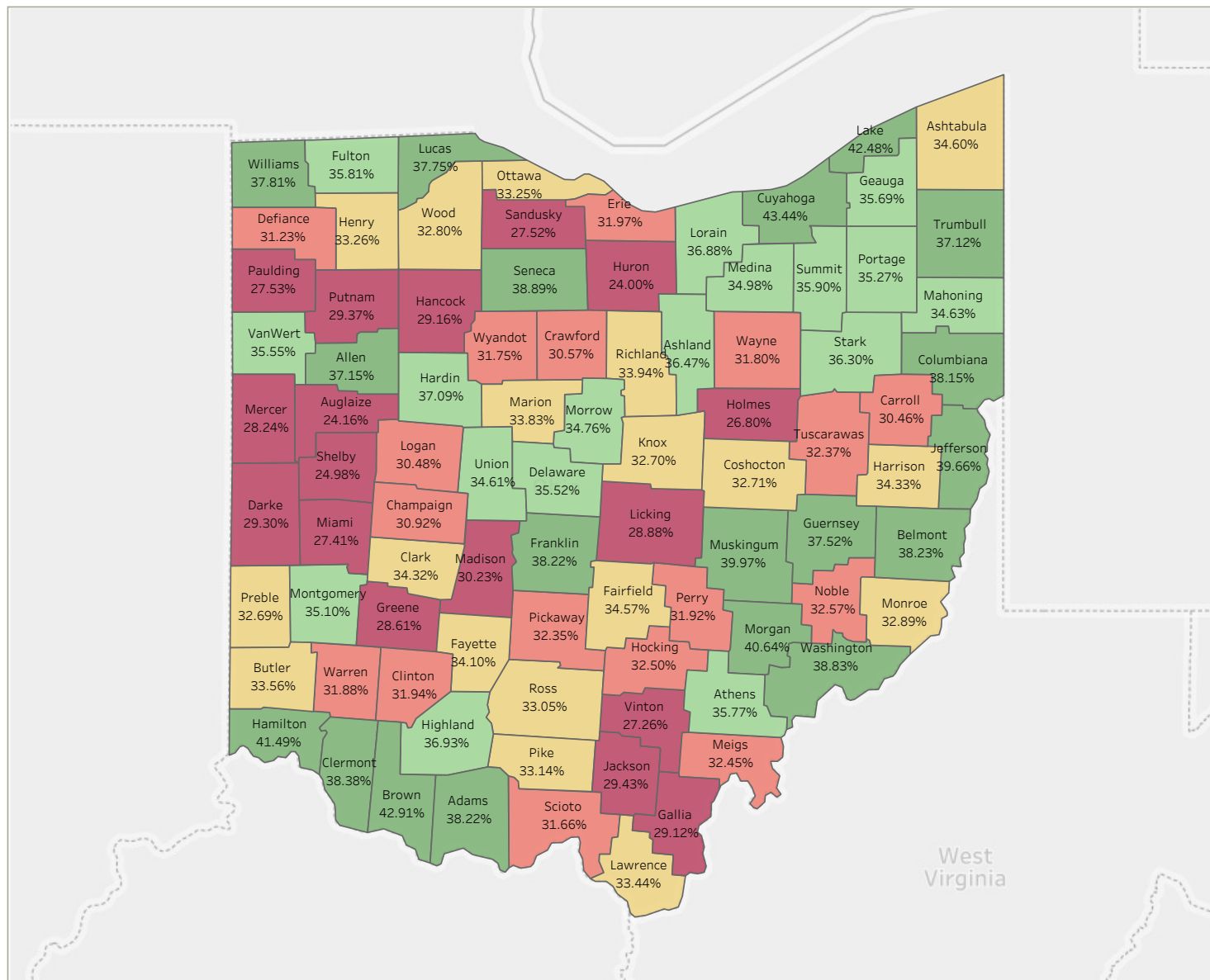
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Data are through Q1 2018.  
Data are limited to Medicaid as the payer.



## Statewide - Adolescent Wellcare Visits (%)

### Overall Quintiles by County | CY 2015 - 2018



#### Map Measure Ranges

- $\geq 0 < 30.340\%$
- $\geq 30.340\% < 32.627\%$
- $\geq 32.627\% < 34.603\%$
- $\geq 34.603\% < 37.107\%$
- $\geq 37.107\%$

Data are through Q1 2018.  
Data are limited to Medicaid as the payer.





### Yearly Trends by MCP - Adolescent Wellcare Visits (%) All OEI Counties | CY 2015-2018

Medicaid Plan  
All Plans

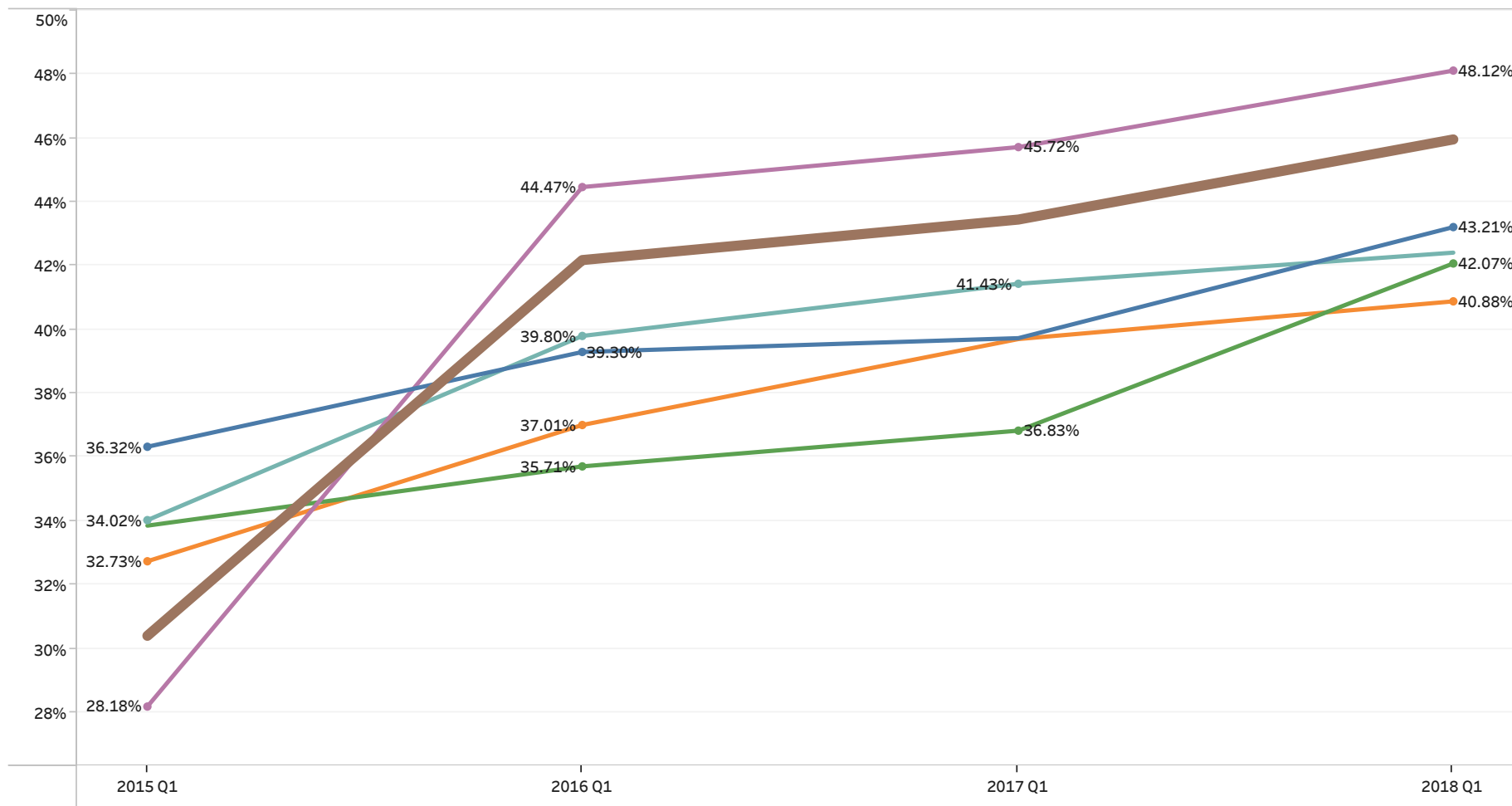
Buckeye

CareSource

Molina

Paramount

United



Data are through Q1 2018.

Data are limited to Medicaid as the payer.