



Department of
Medicaid

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

Ohio Department of Medicaid's Maternal and Infant Health Measures

Stark County

Ohio Department of Medicaid
Bureau of Health Innovation and Quality
Spring 2019



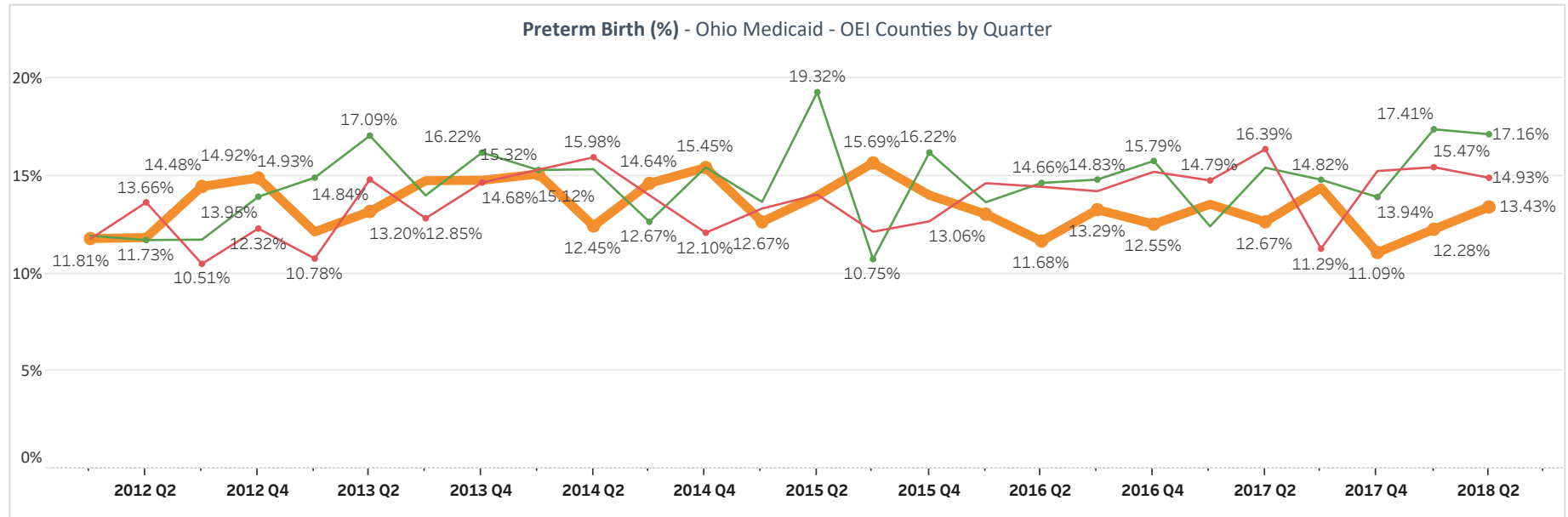
Preterm Birth (%)

Stark, Butler, Mahoning Counties - Preterm Birth (%)

Trends by Quarter | CY 2012-2018

Counties

Butler Mahoning Stark

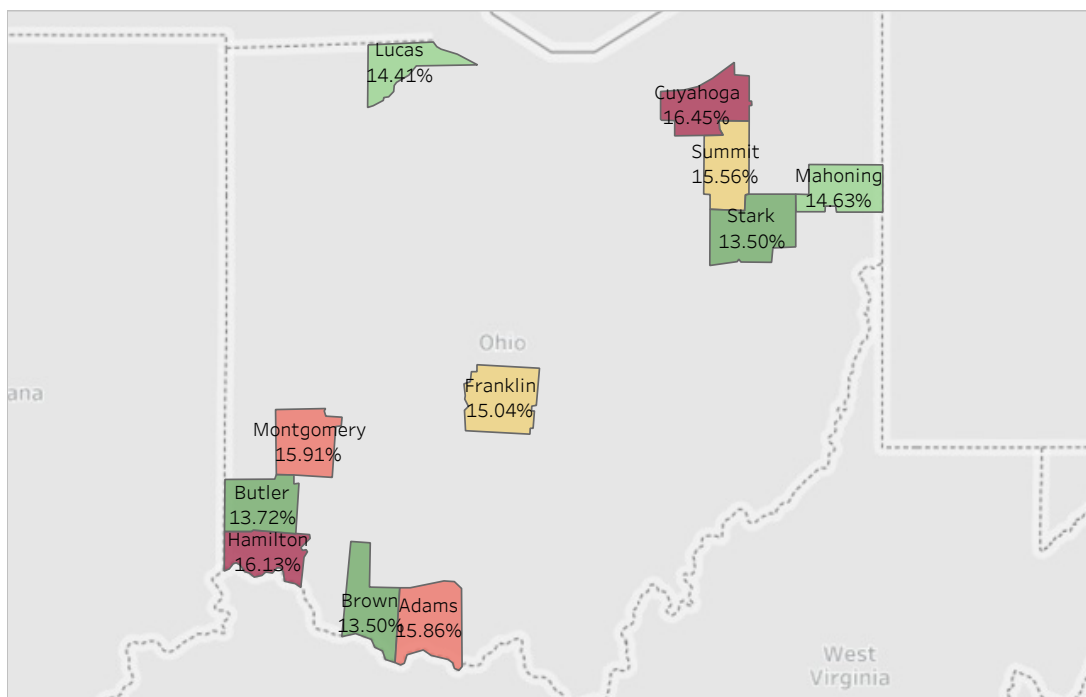


County	PTB Aggregate Rate Q1 2012 - Q2 2018	PTB Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	13.72%	14.13%	From 331 to 304 PTB Infants
Stark	13.50%	12.85%	From 325 to 298 PTB Infants
Mahoning	14.63%	15.76%	From 238 to 214 PTB Infants

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Preterm Birth (%)

OEI County Quintiles | CY 2012-2018



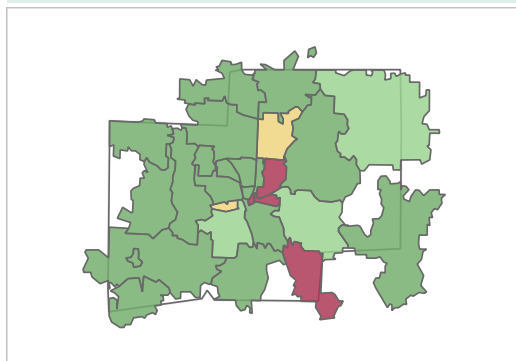
Map Measure Ranges

- $\geq 0 < 13.731\%$
- $\geq 13.731\% < 14.642\%$
- $\geq 14.642\% < 15.848\%$
- $\geq 15.848\% < 16.121\%$
- $\geq 16.121\%$

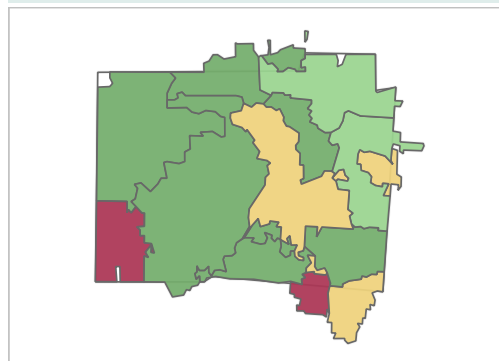
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

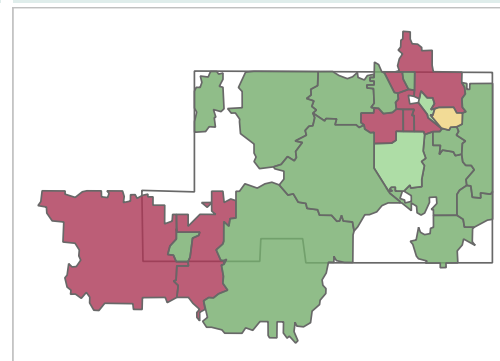
Stark



Butler

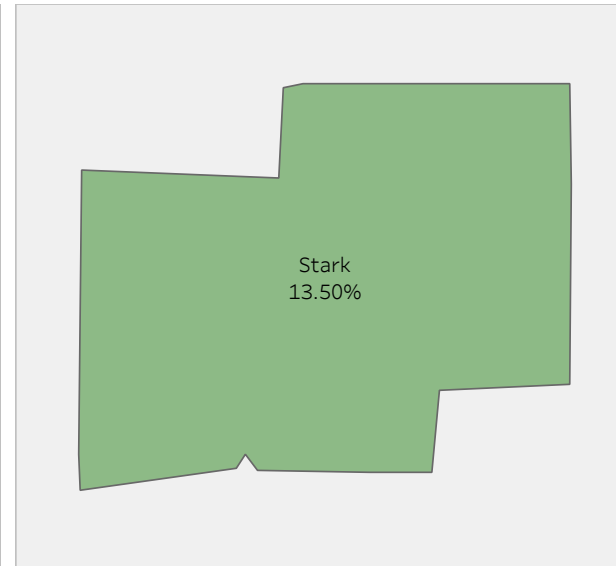
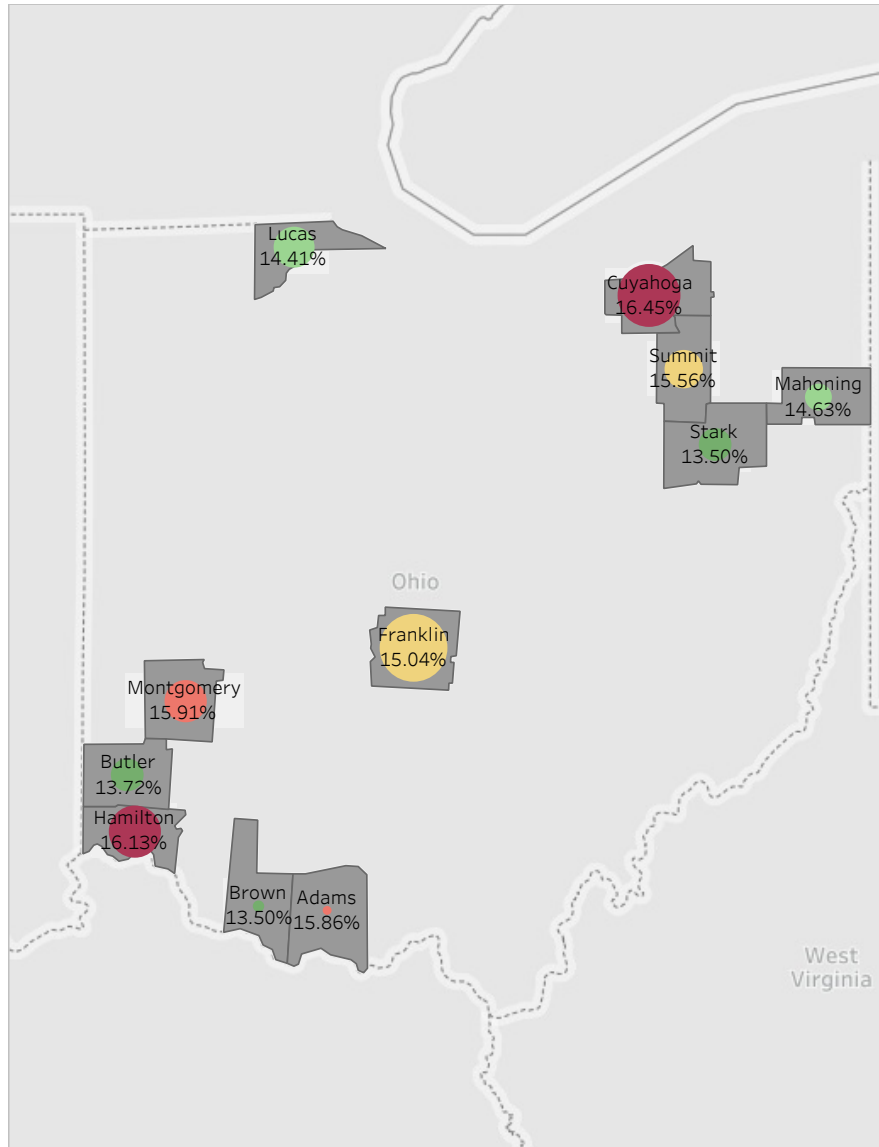


Mahoning



Stark County - Preterm Birth (%)

OEI Quintiles | CY 2012-2018

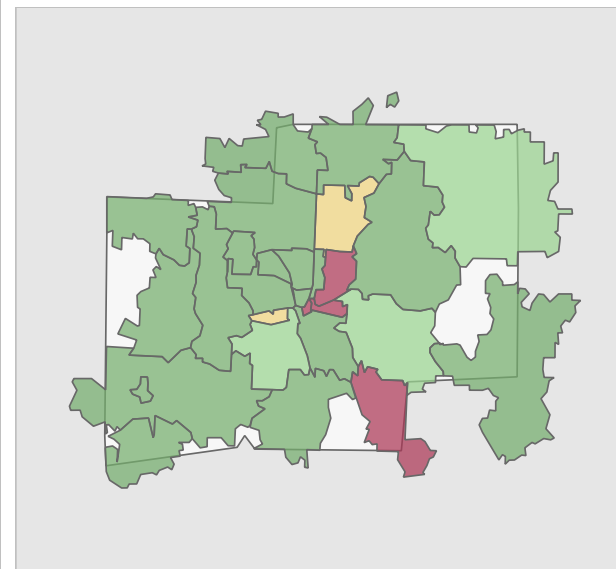


Map Measure Ranges

- $\geq 0 < 13.731\%$
- $\geq 13.731\% < 14.642\%$
- $\geq 14.642\% < 15.848\%$
- $\geq 15.848\% < 16.121\%$
- $\geq 16.121\%$

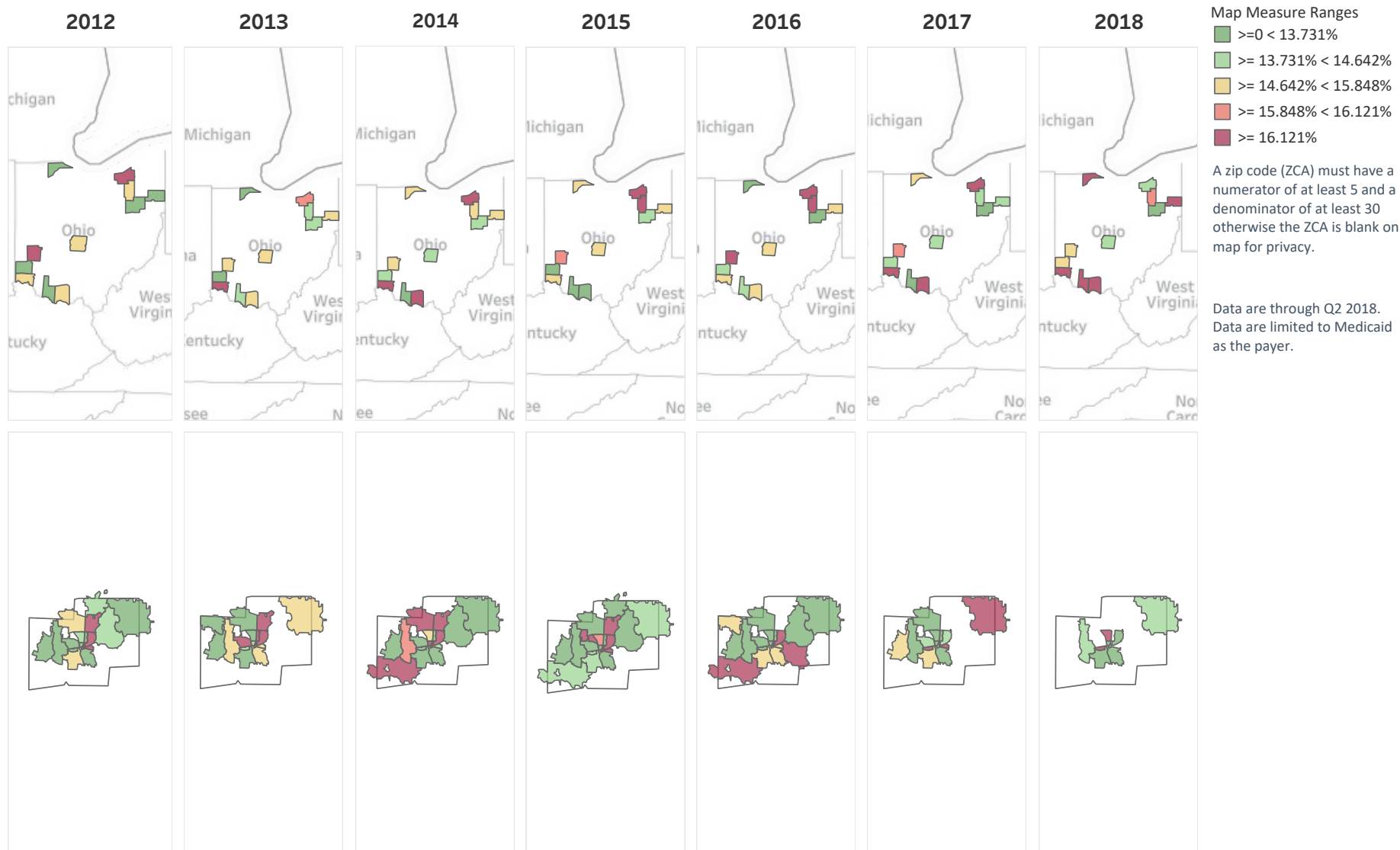
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.



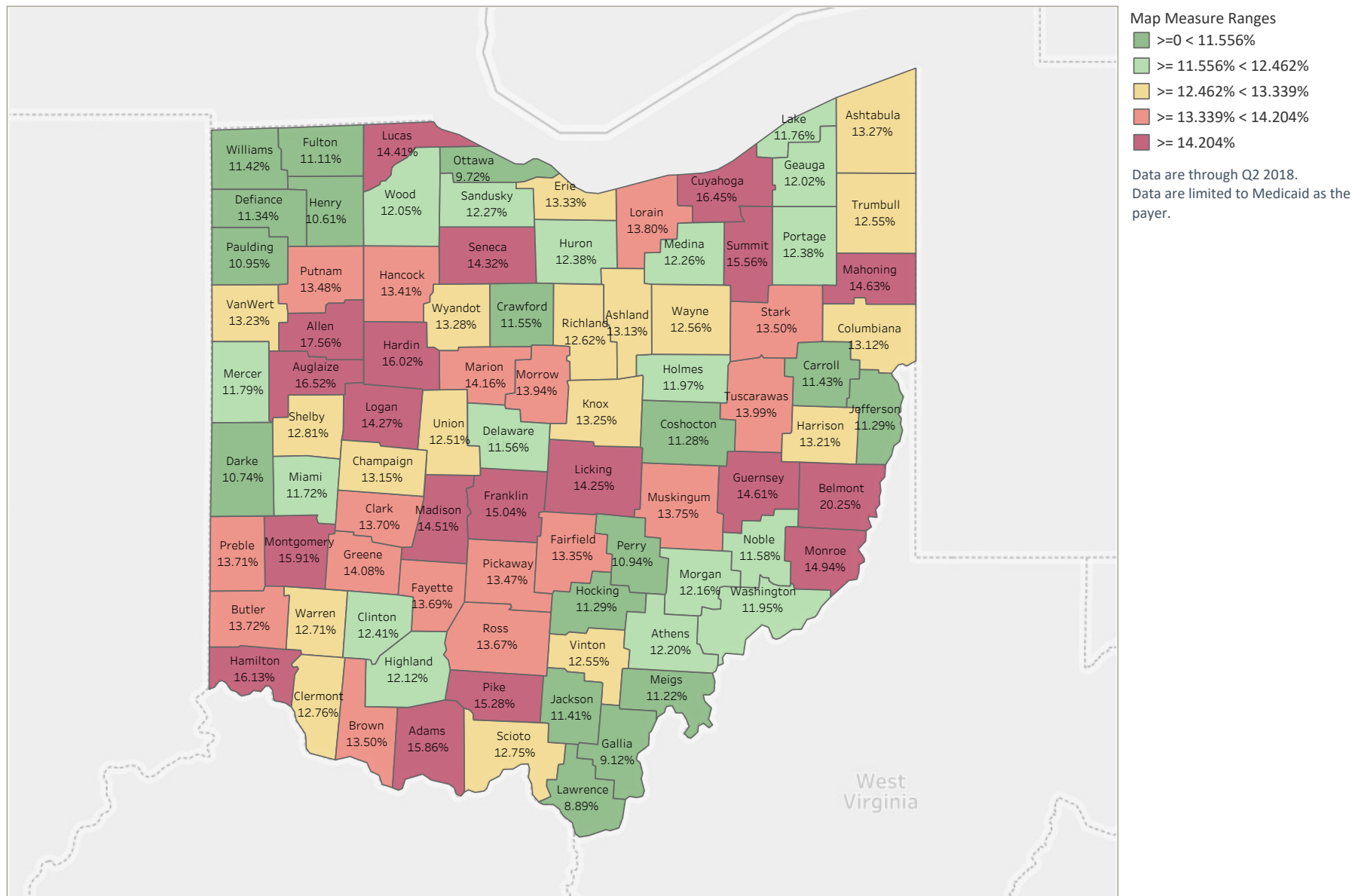
Stark County - Preterm Birth (%)

OEI Quintiles | CY 2012-2018 Yearly Comparison



Statewide - Preterm Birth (%)

Overall Quintiles by County | CY 2012 - 2018





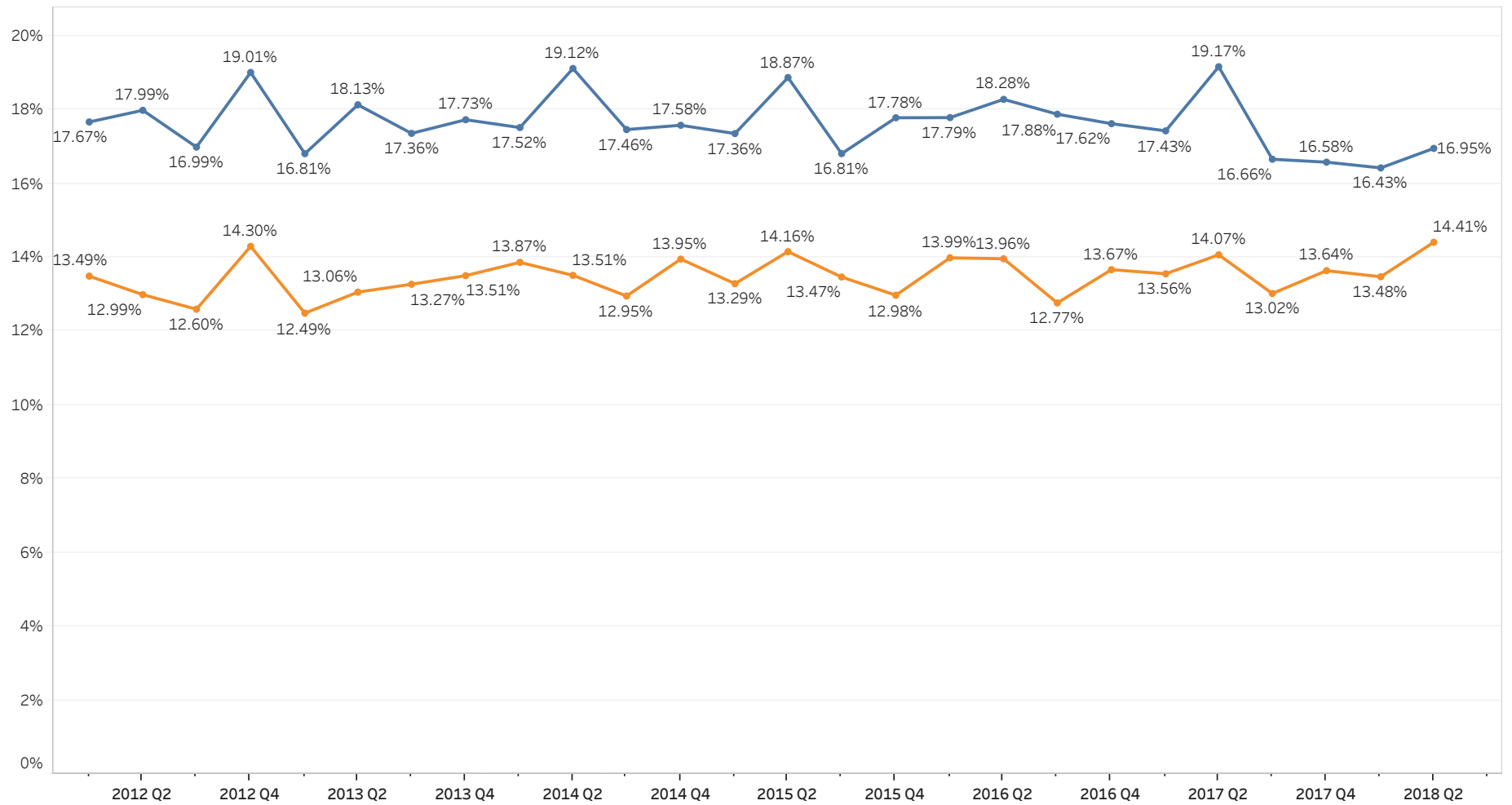
Quarterly Trends by Race - Preterm Birth (%)

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

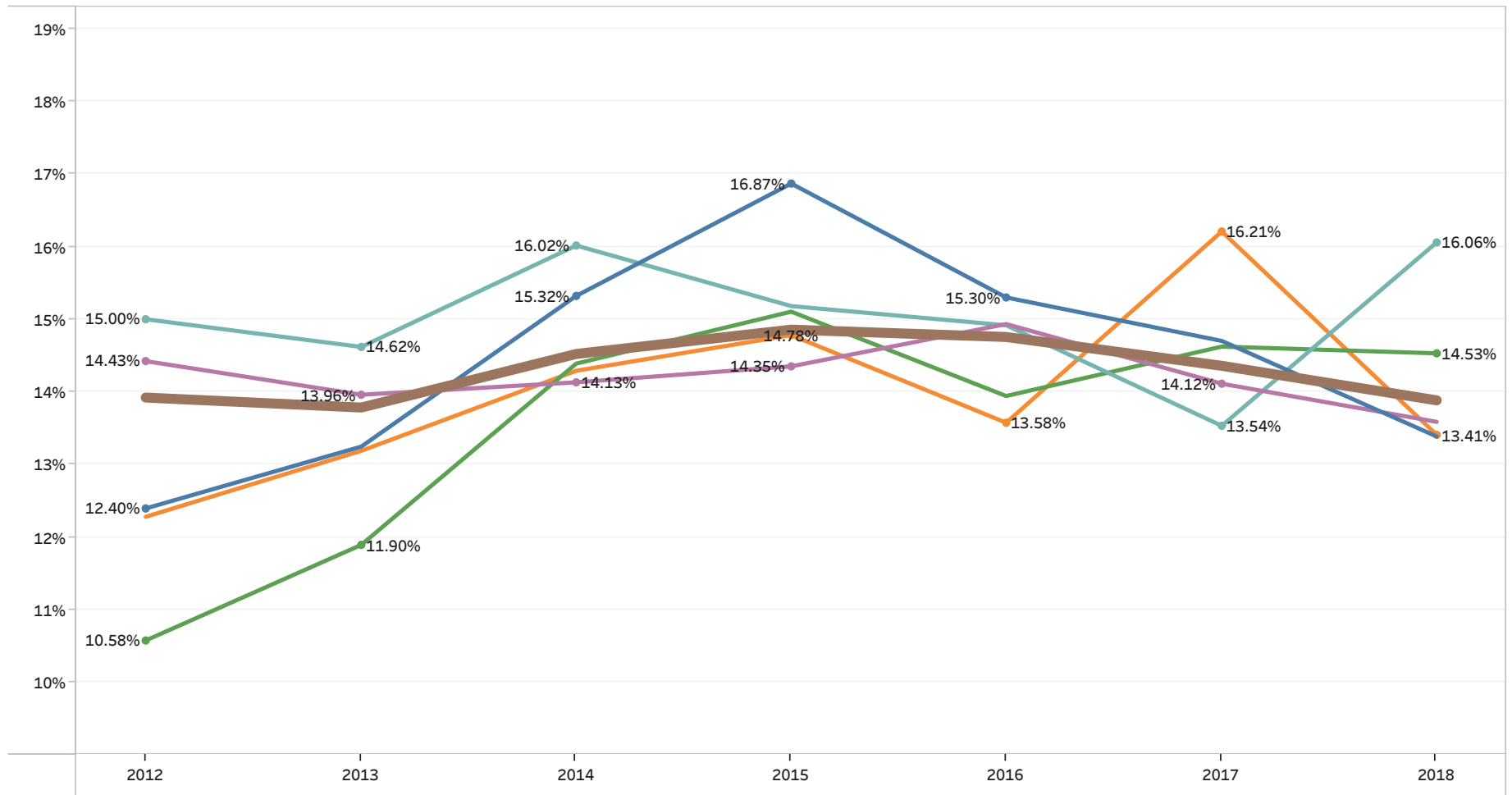
Buckeye

CareSource

Molina

Paramount

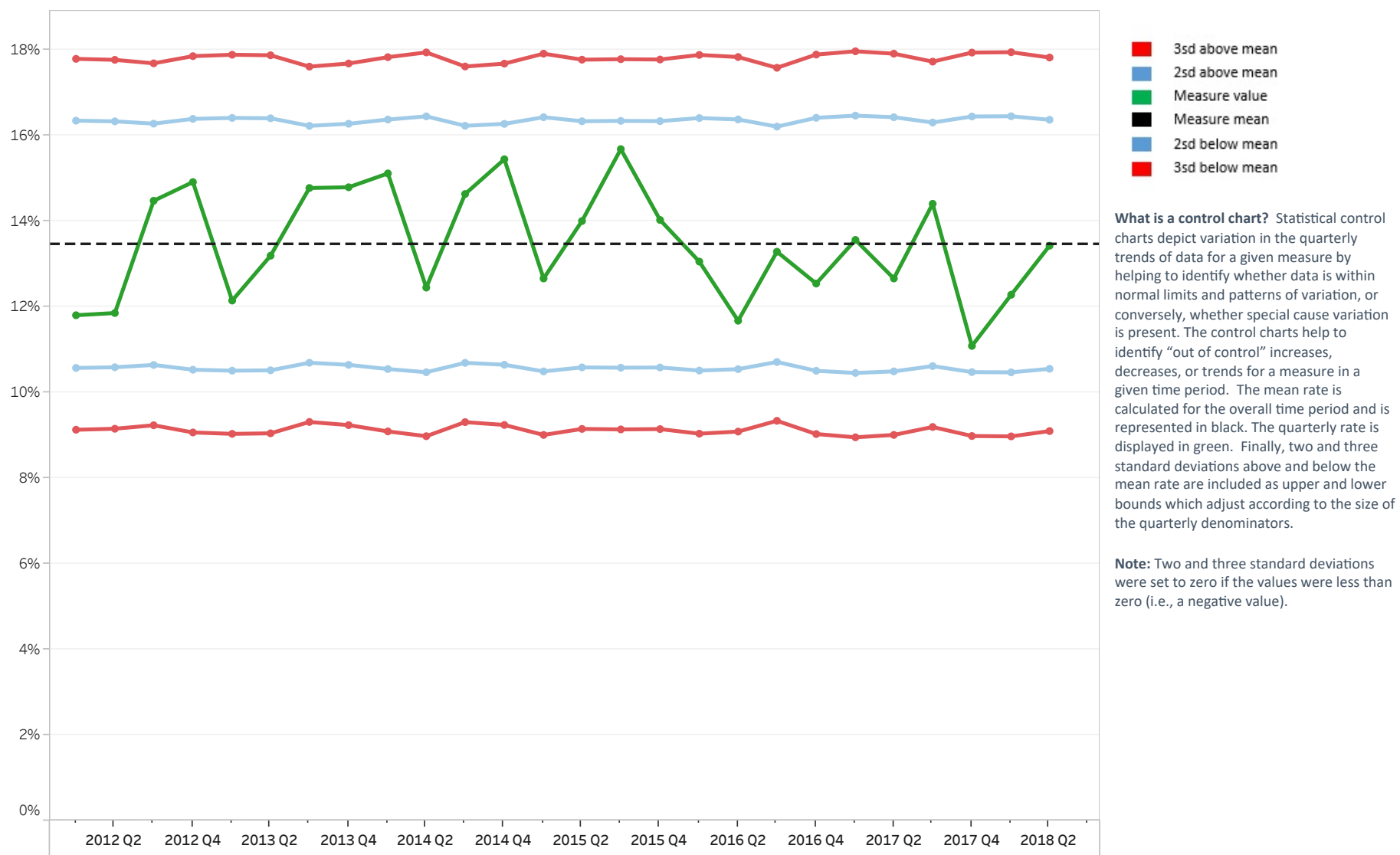
United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.

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



Data are limited to Medicaid as the payer.

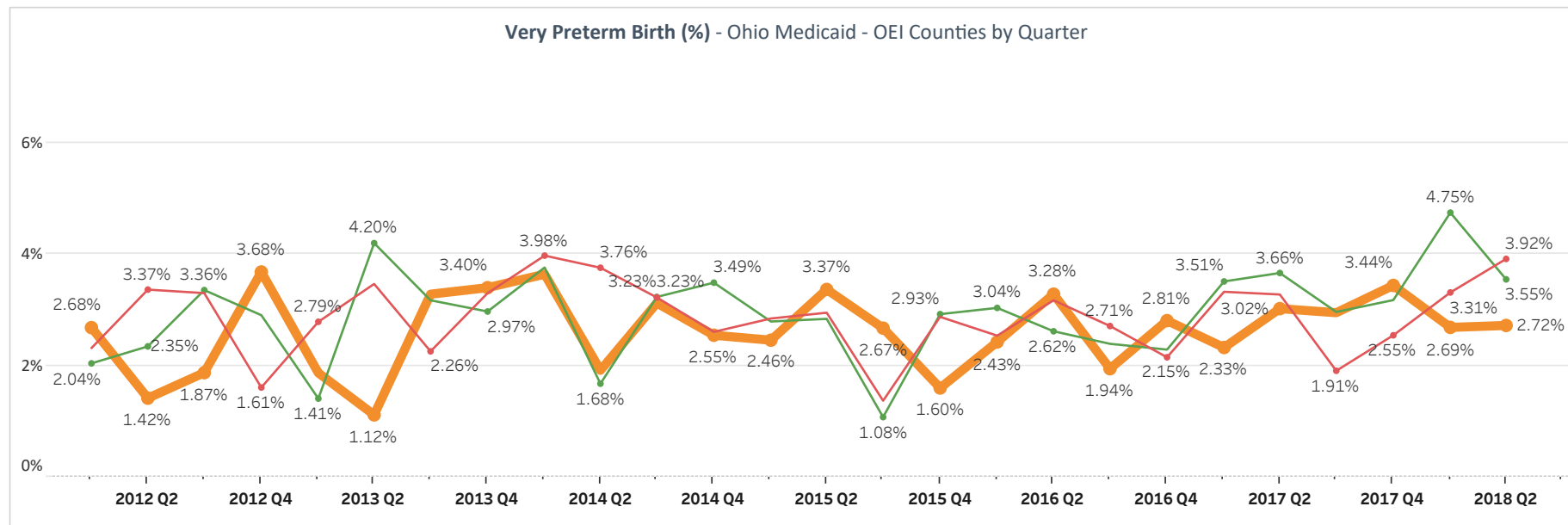


Very Preterm Birth (%)

Stark, Butler, Mahoning Counties - Very Preterm Birth (%)

Trends by Quarter | CY 2012-2018

Counties
■ Butler ■ Mahoning ■ Stark

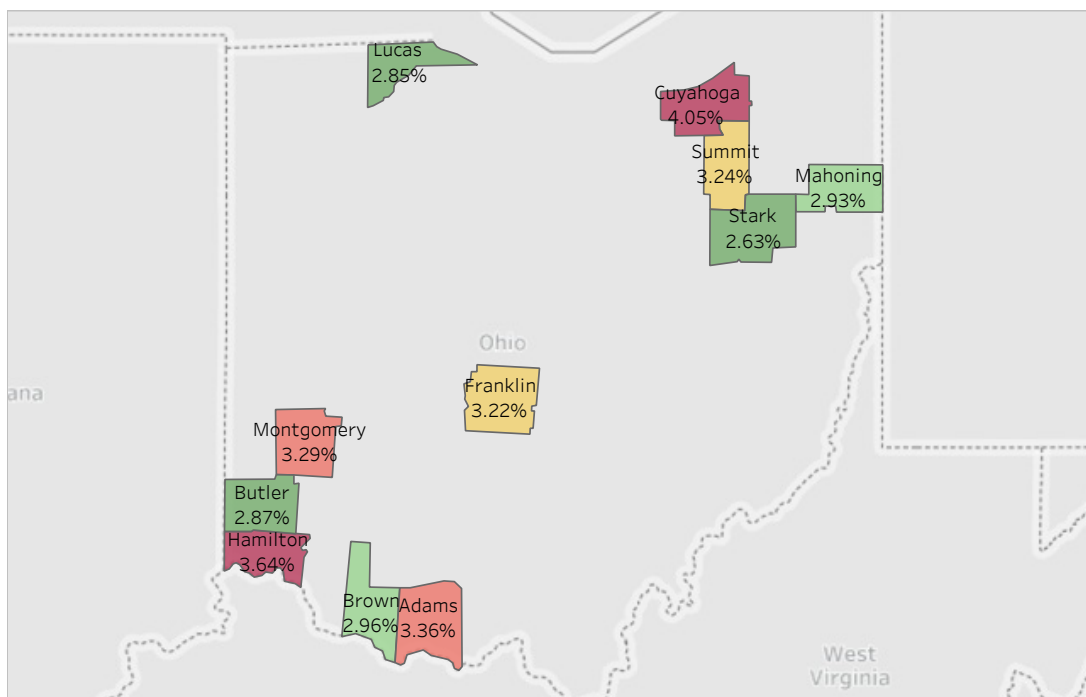


County	VPTB Aggregate Rate Q1 2012 - Q2 2018	VPTB Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	2.87%	2.88%	From 69 to 56 VPTB Infants
Stark	2.63%	2.95%	From 63 to 50 VPTB Infants
Mahoning	2.93%	3.61%	From 48 to 36 VPTB Infants

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Very Preterm Birth (%)

OEI County Quintiles | CY 2012-2018



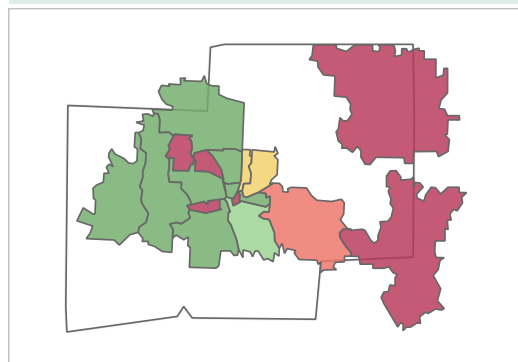
Map Measure Ranges

- $\geq 0 < 2.881\%$
- $\geq 2.881\% < 2.971\%$
- $\geq 2.971\% < 3.278\%$
- $\geq 3.278\% < 3.625\%$
- $\geq 3.625\%$

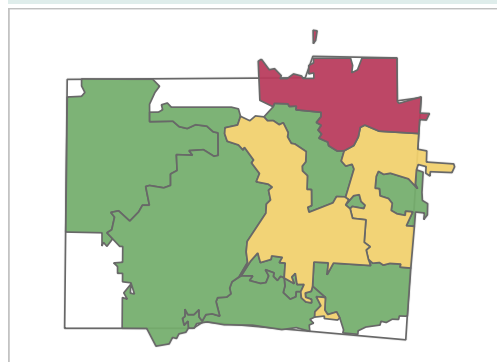
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

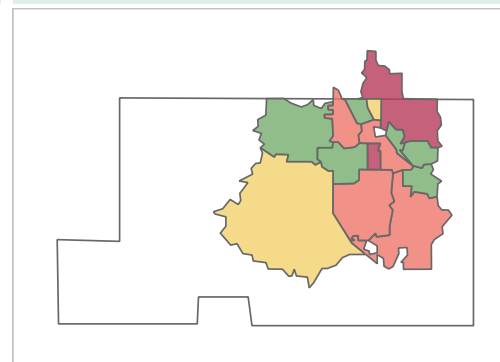
Stark



Butler

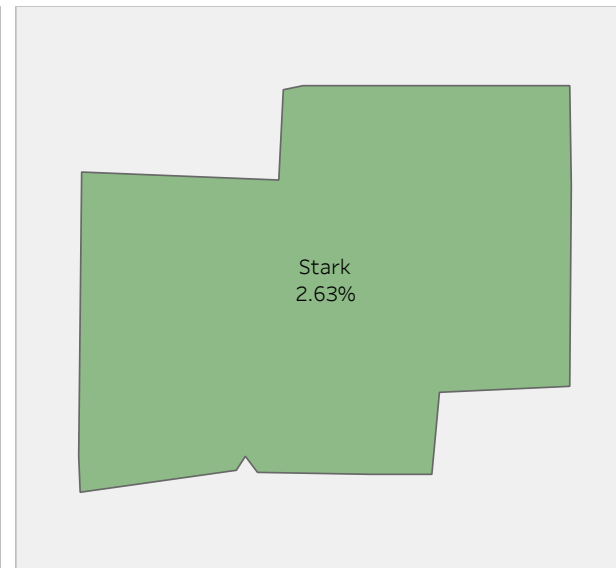
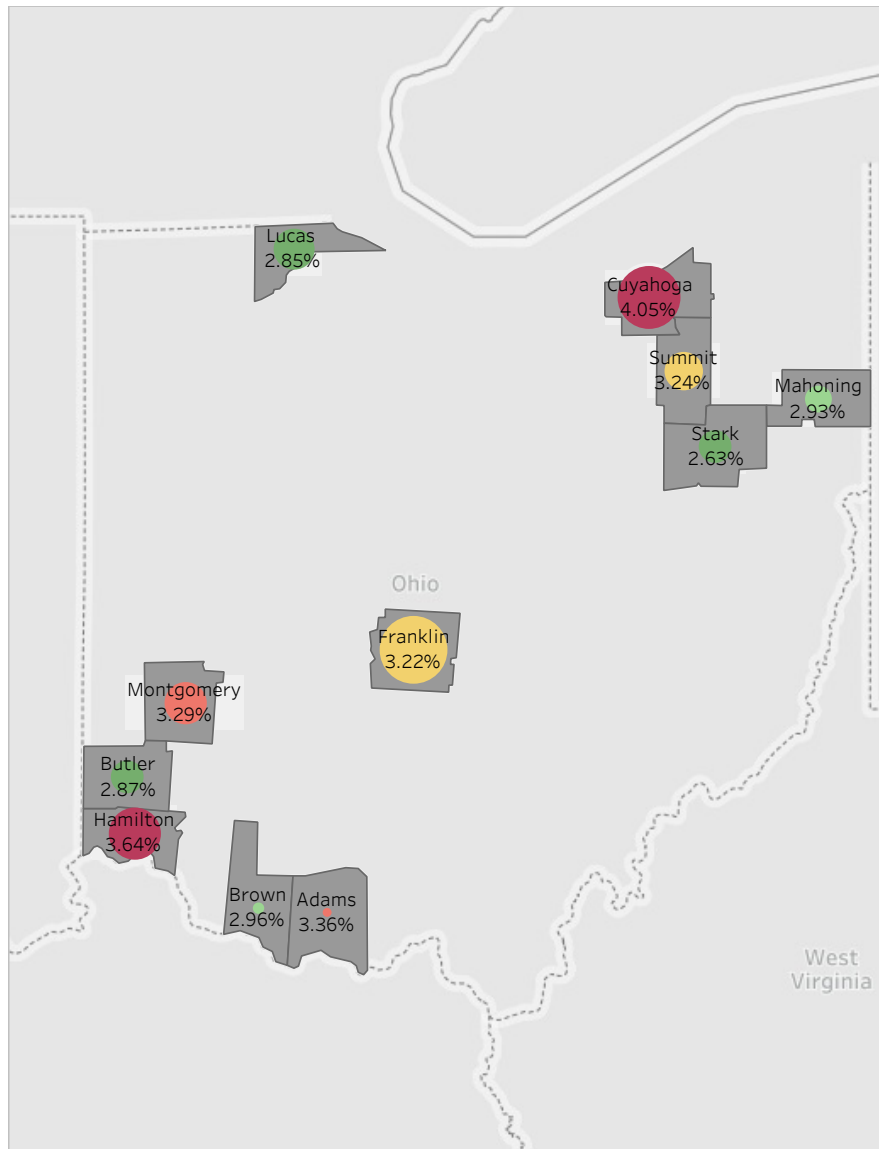


Mahoning



Stark County - Very Preterm Birth (%)

OEI Quintiles | CY 2012-2018

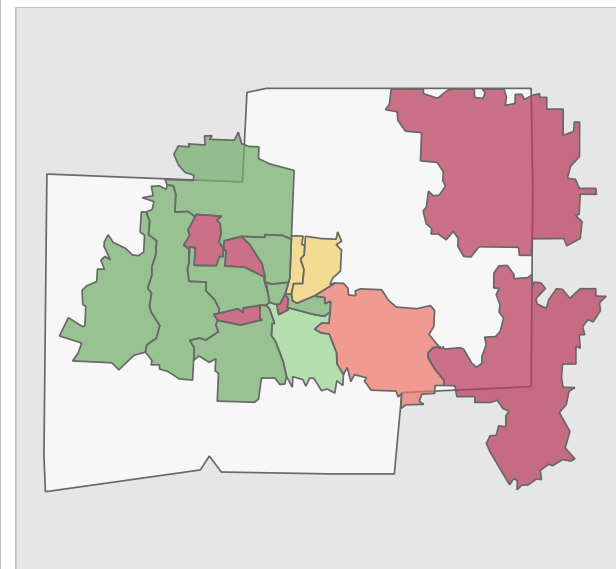


Map Measure Ranges

- $\geq 0 < 2.881\%$
- $\geq 2.881\% < 2.971\%$
- $\geq 2.971\% < 3.278\%$
- $\geq 3.278\% < 3.625\%$
- $\geq 3.625\%$

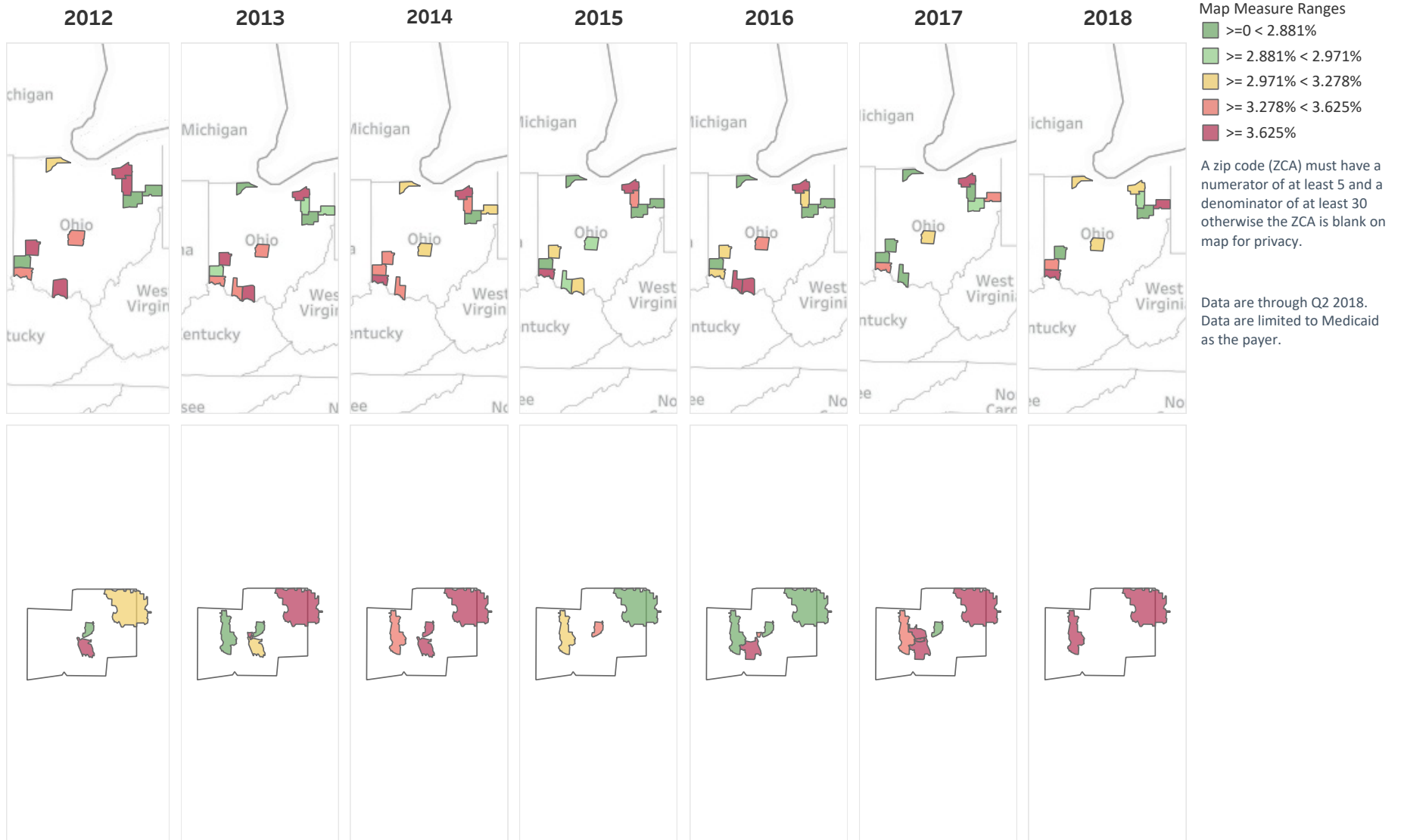
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.



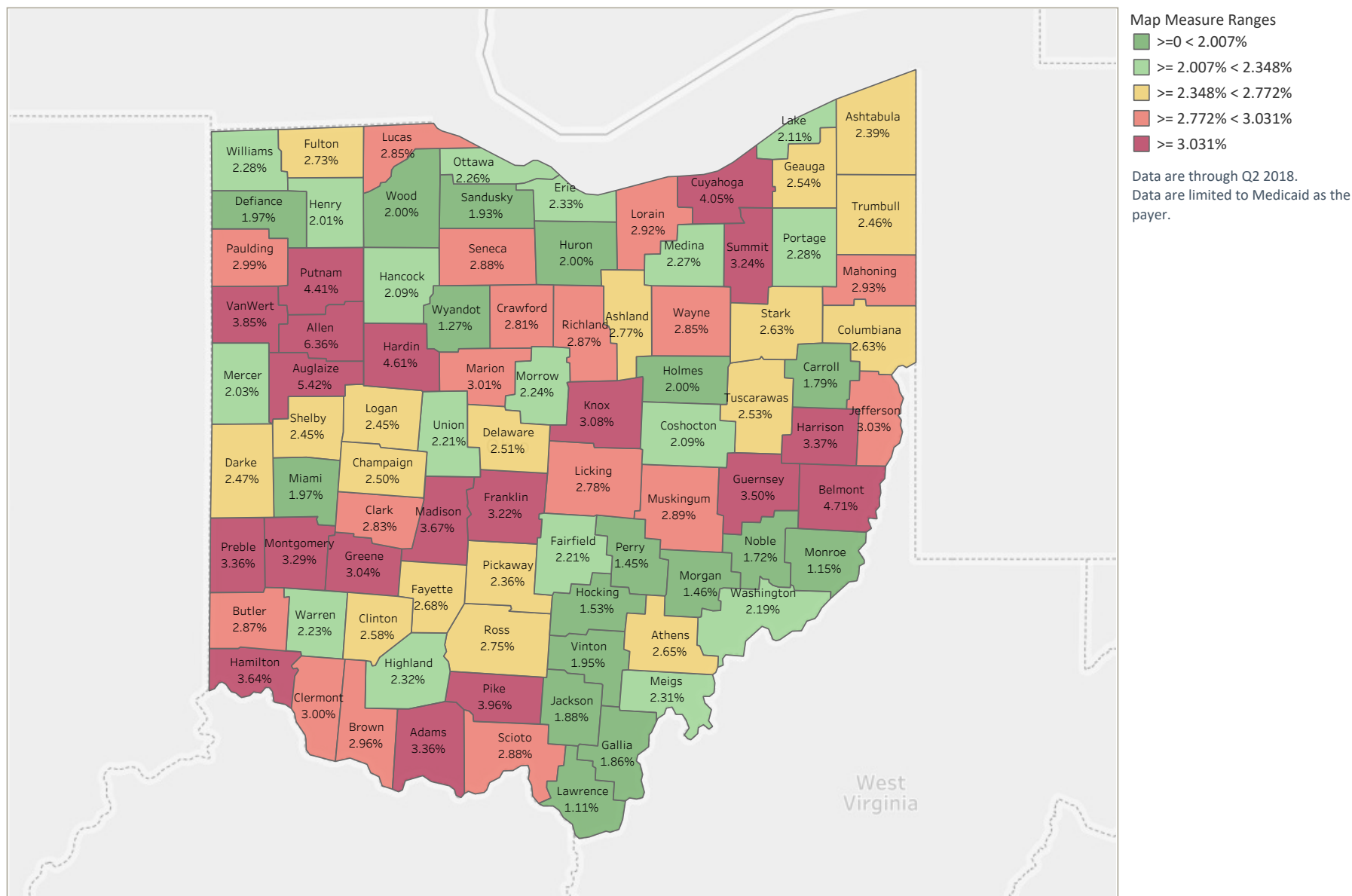
Stark County - Very Preterm Birth (%)

OEI Quintiles | CY 2012-2018 Yearly Comparison



Statewide - Very Preterm Birth (%)

Overall Quintiles by County | CY 2012 - 2018





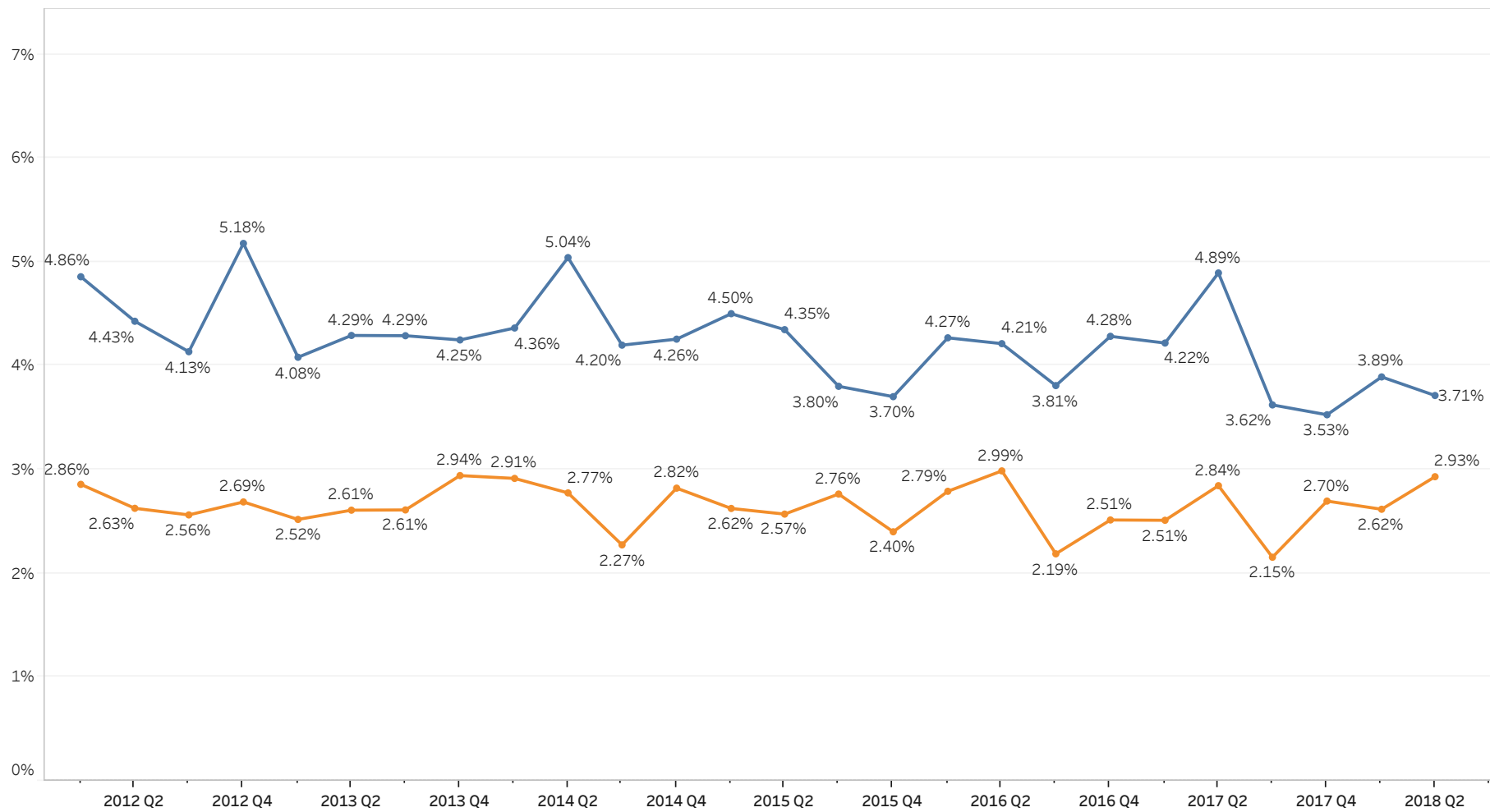
Quarterly Trends by Race - Very Preterm Birth (%)

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

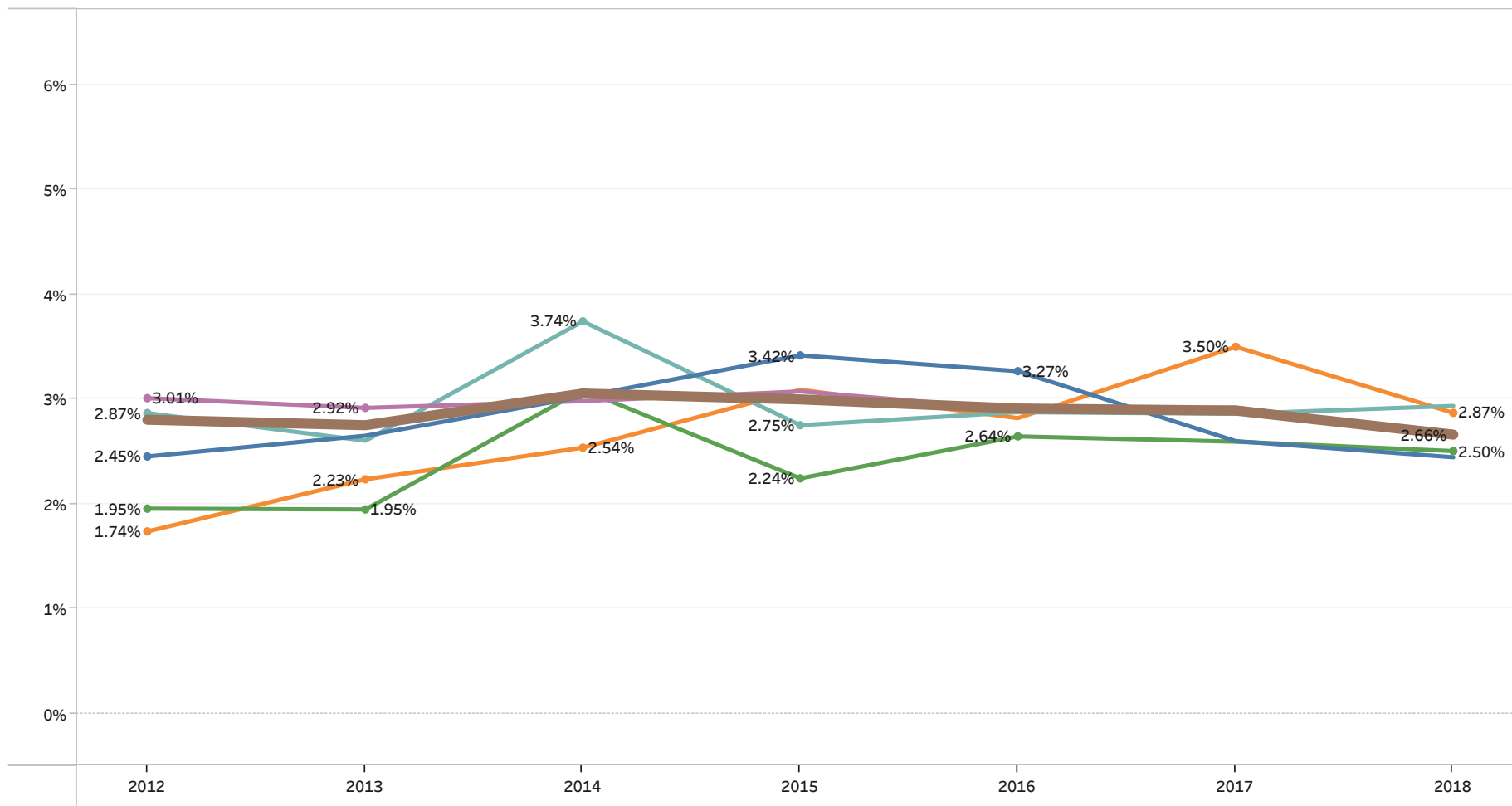
Buckeye

CareSource

Molina

Paramount

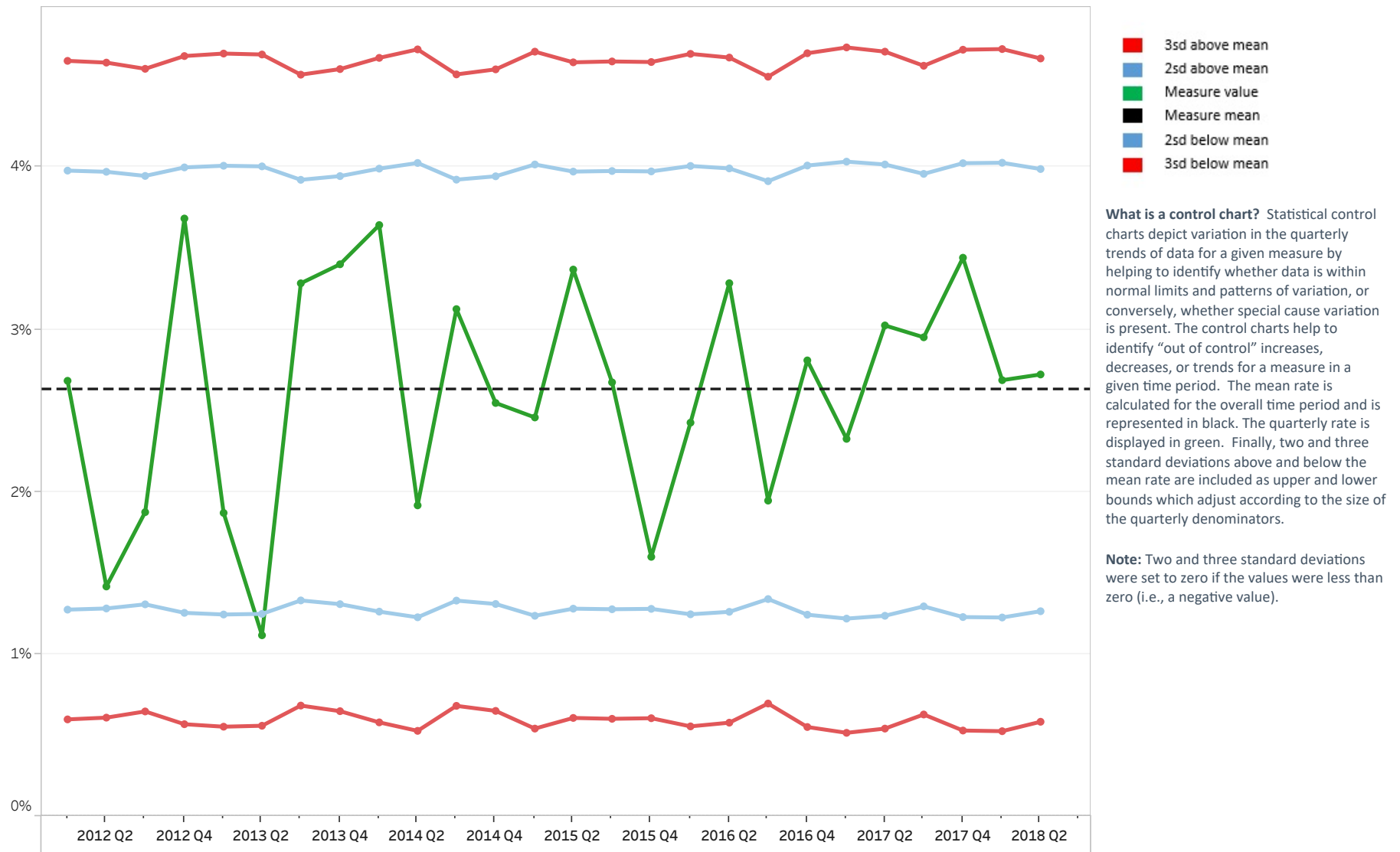
United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.

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

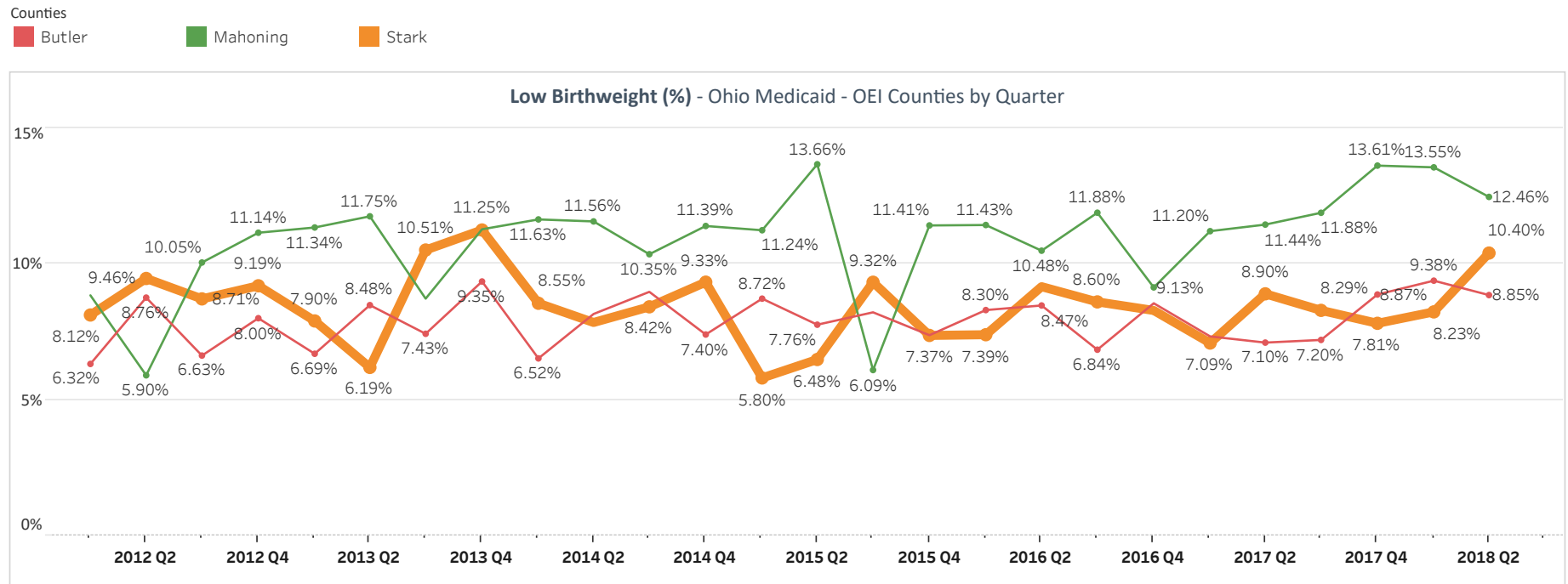


Data are limited to Medicaid as the payer.

Low Birthweight (%)

Stark, Butler, Mahoning Counties - Low Birthweight (%)

Trends by Quarter | CY 2012-2018

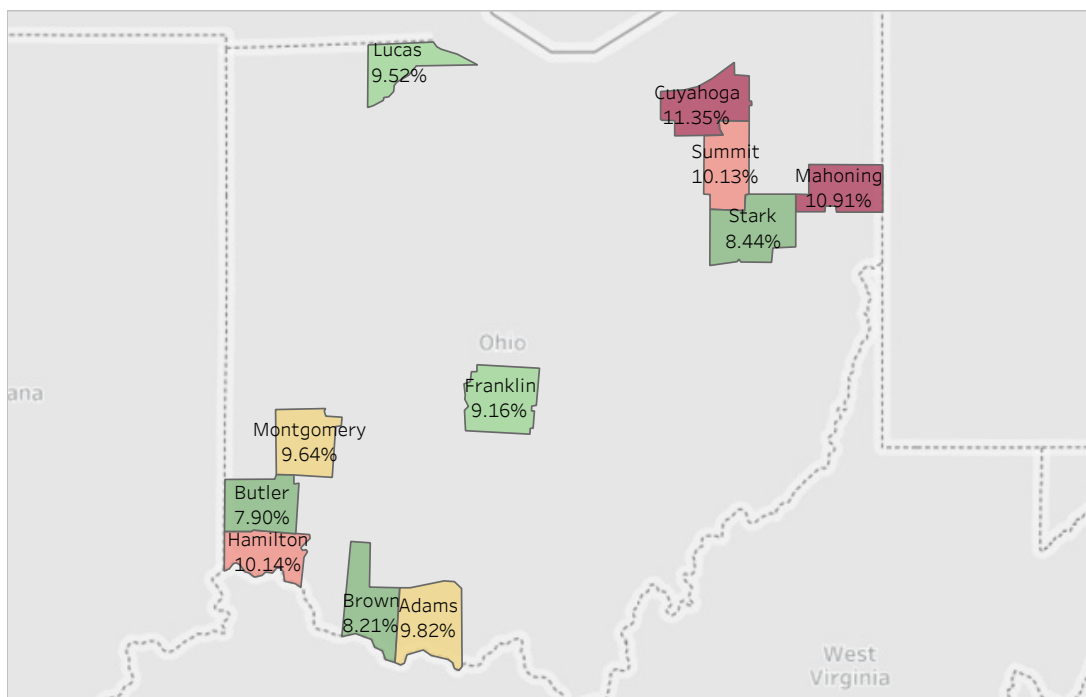


County	LBW Aggregate Rate Q1 2012 - Q2 2018	LBW Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	7.90%	8.53%	From 186 to 164 LBW Infants
Stark	8.44%	8.69%	From 197 to 175 LBW Infants
Mahoning	10.91%	12.91%	From 173 to 152 LBW Infants

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Low Birthweight (%)

OEI County Quintiles | CY 2012-2018



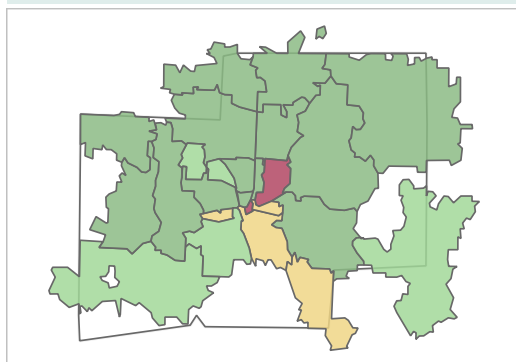
Map Measure Ranges

- $\geq 0 < 8.450\%$
- $\geq 8.450\% < 9.527\%$
- $\geq 9.527\% < 10.118\%$
- $\geq 10.118\% < 10.900\%$
- $\geq 10.900\%$

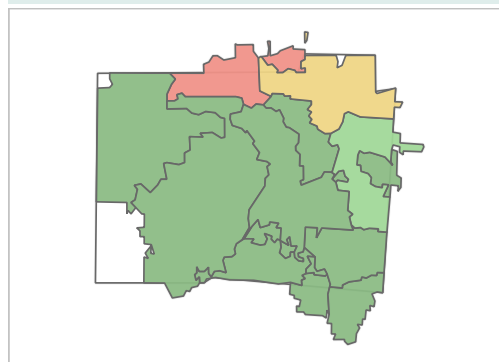
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

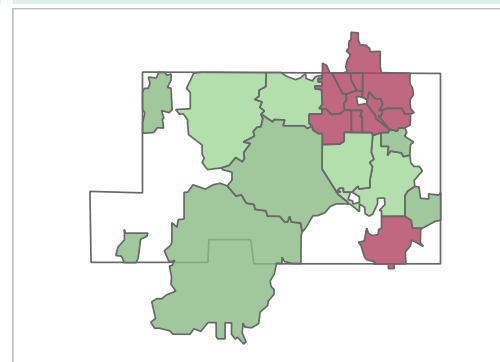
Stark



Butler

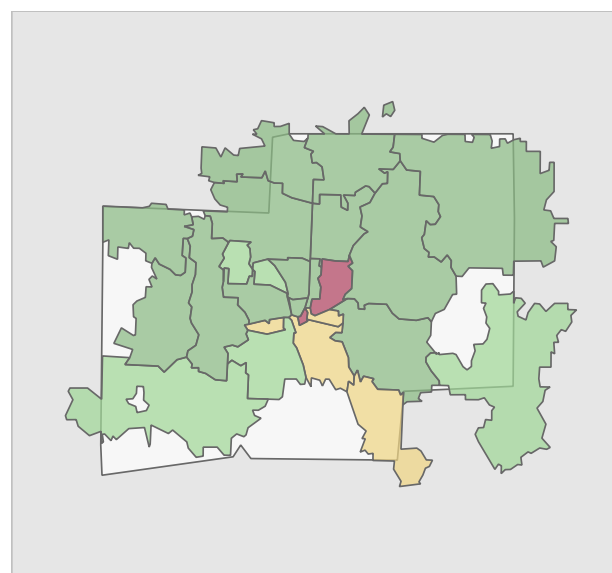
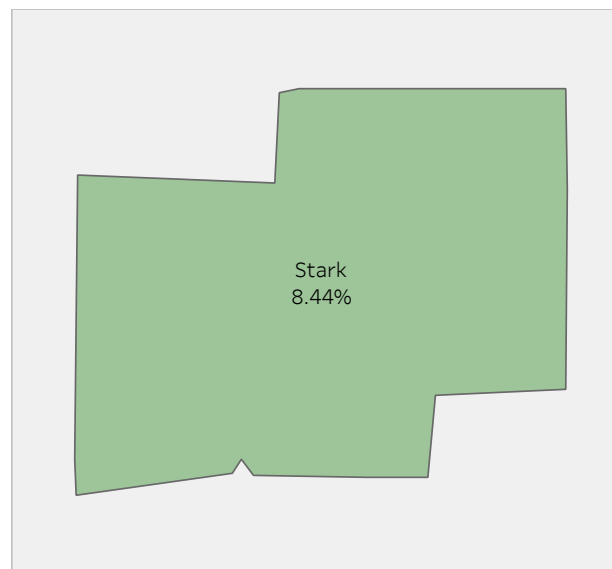
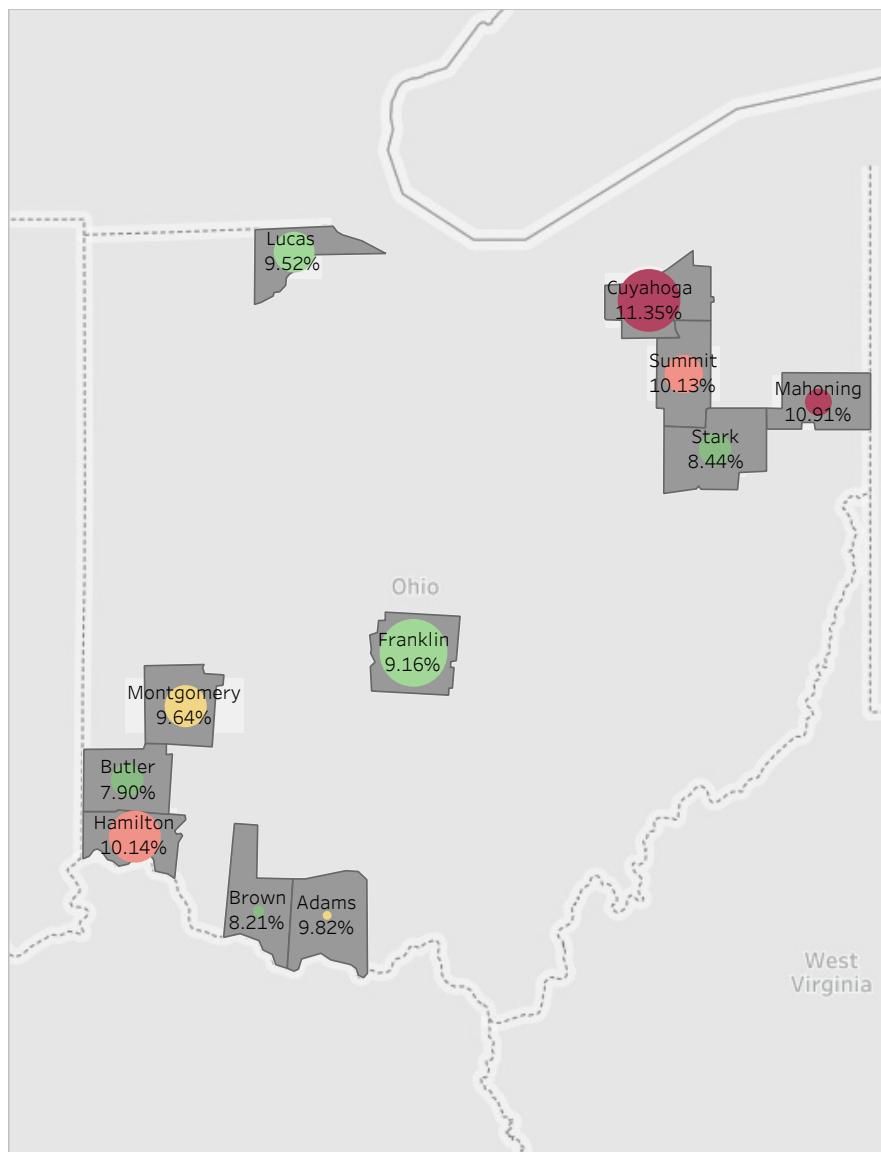


Mahoning



Stark County - Low Birthweight (%)

OEI Quintiles | CY 2012-2018



Map Measure Ranges

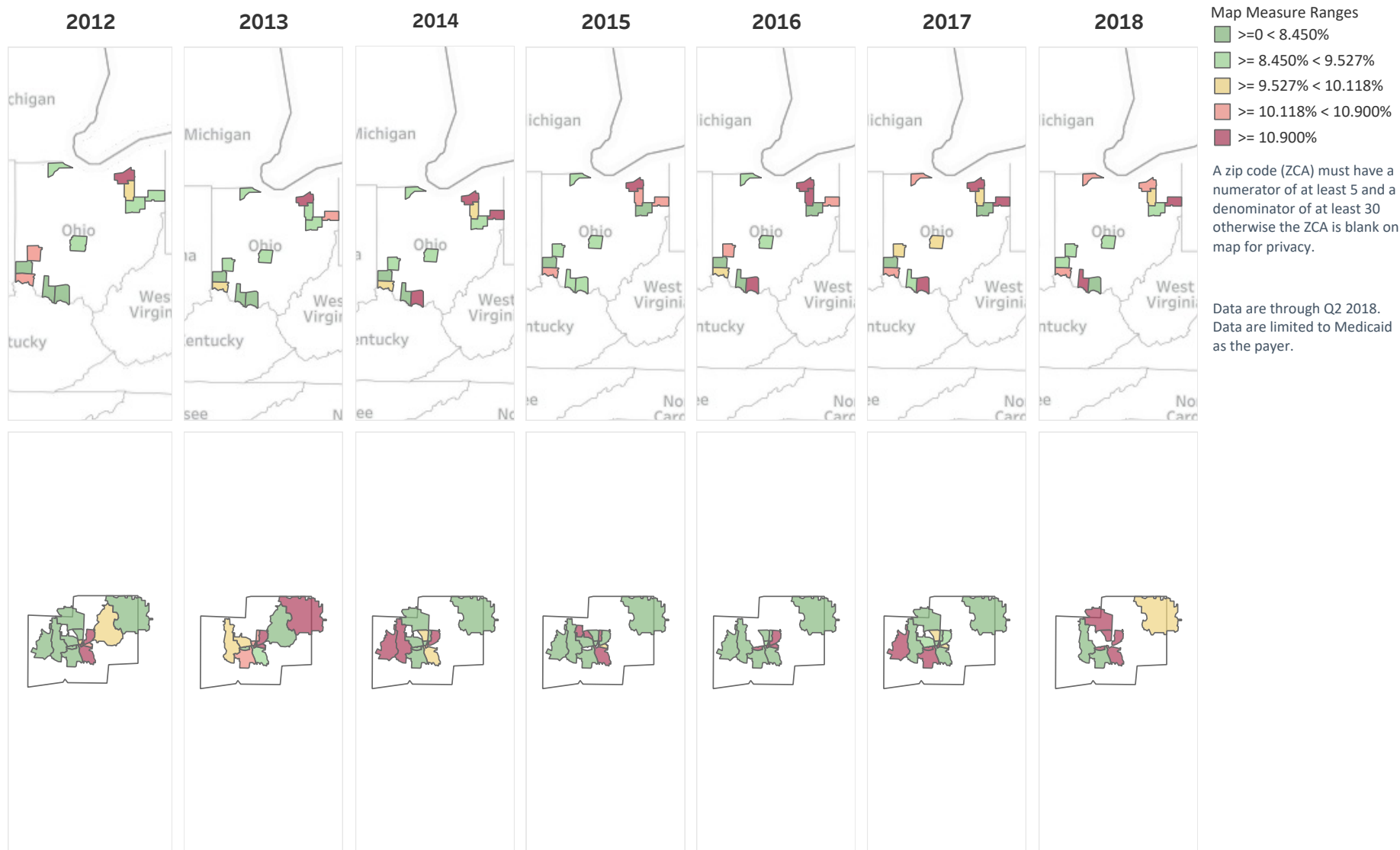
- $\geq 0 < 8.450\%$
- $\geq 8.450\% < 9.527\%$
- $\geq 9.527\% < 10.118\%$
- $\geq 10.118\% < 10.900\%$
- $\geq 10.900\%$

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 Q2 2018.
Data are limited to Medicaid as the payer.

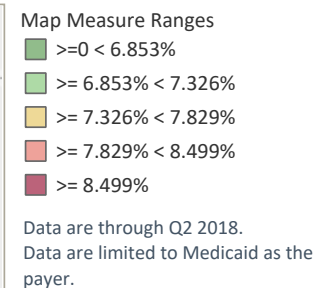
Stark County - Low Birthweight (%)

OEI Quintiles | CY 2012-2018 Yearly Comparison



Statewide - Low Birthweight (%)

Overall Quintiles by County | CY 2012 - 2018





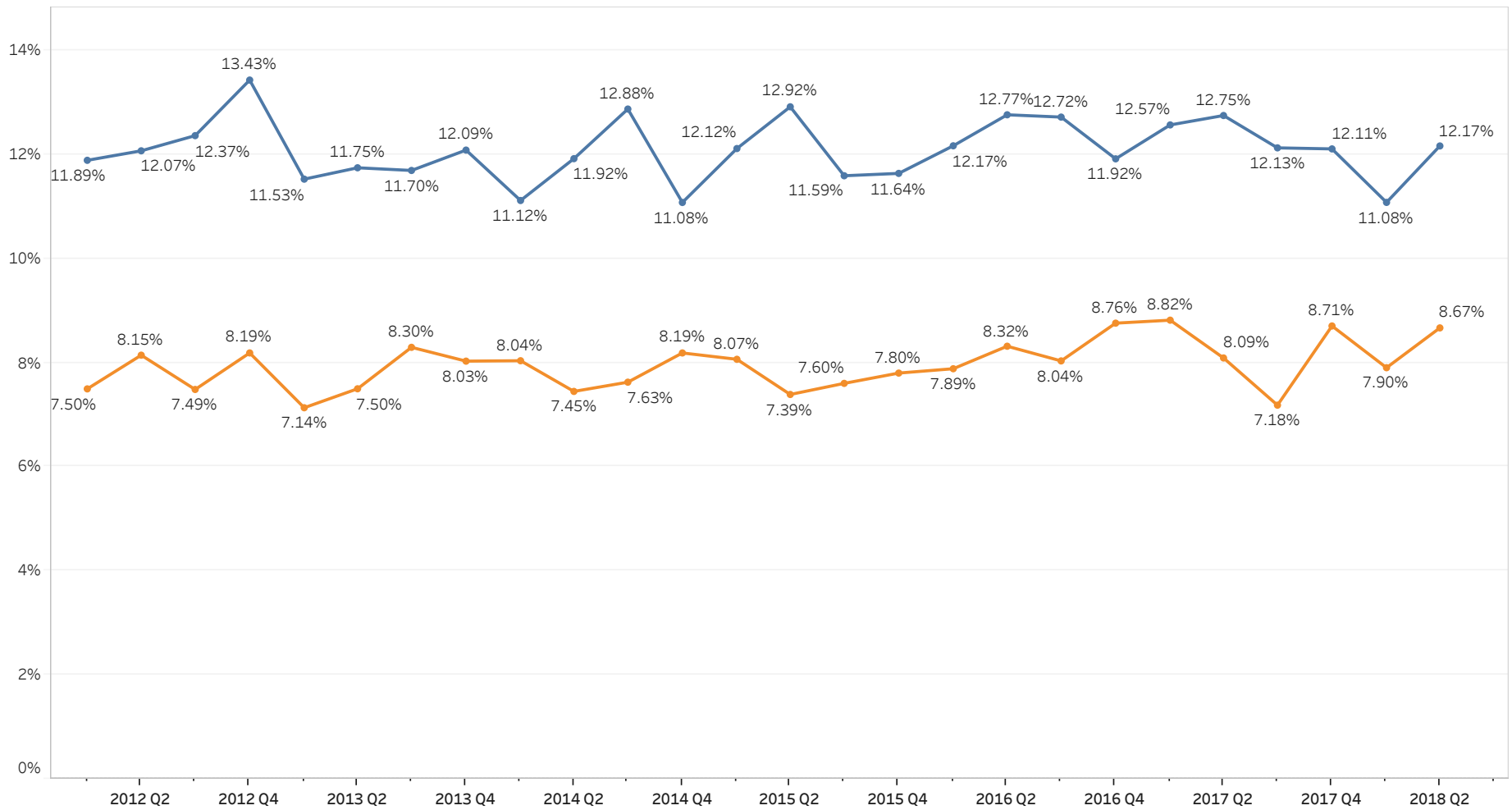
Quarterly Trends by Race - Low Birthweight (%)

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

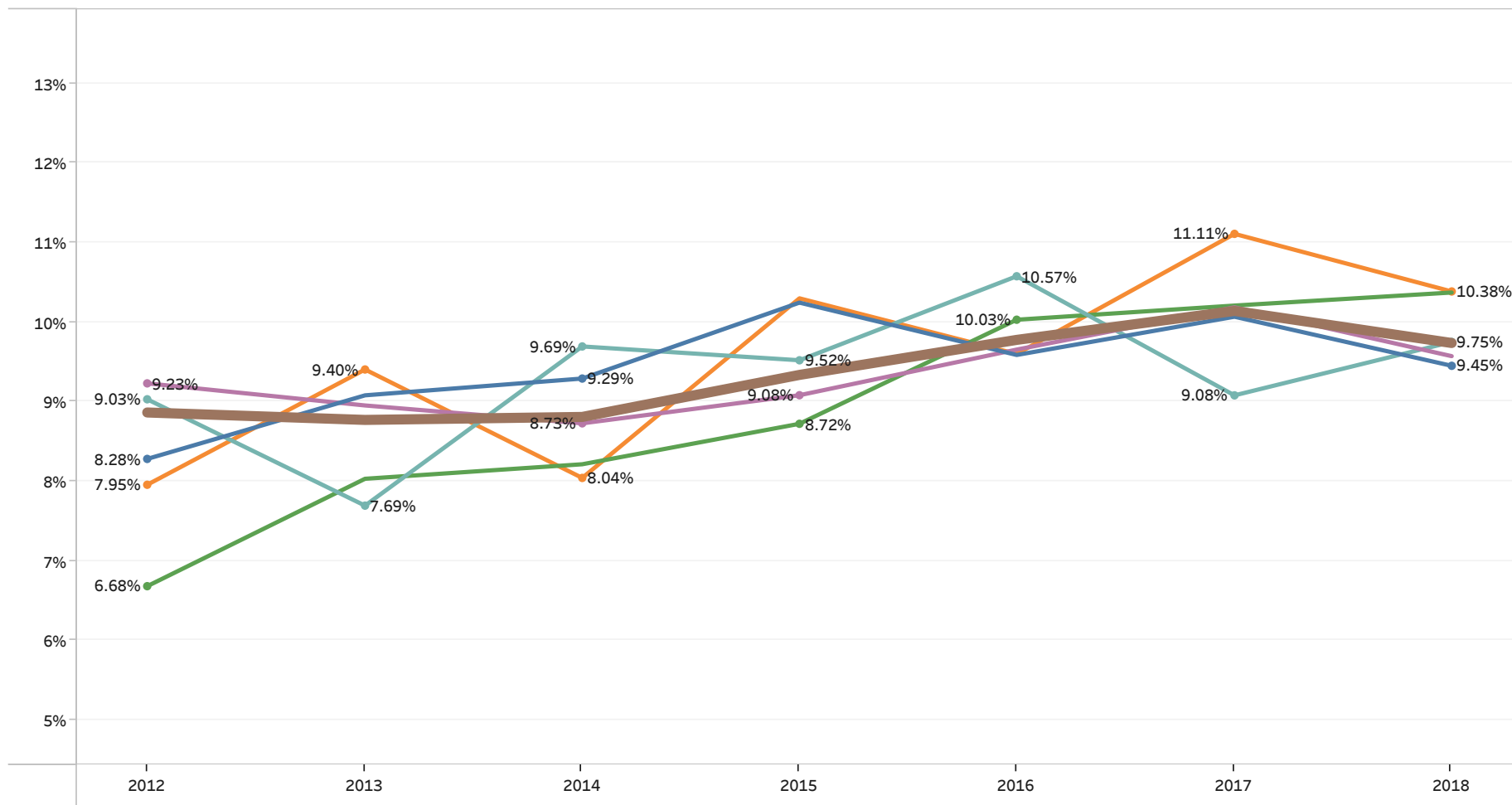
Buckeye

CareSource

Molina

Paramount

United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.



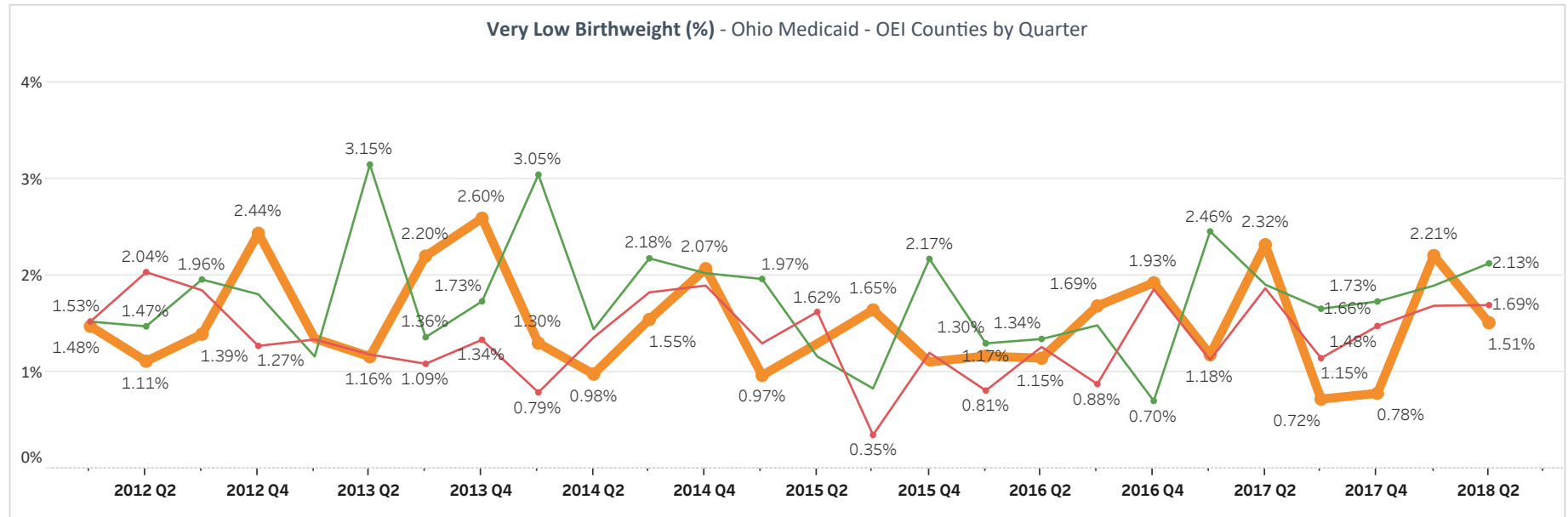
Very Low Birthweight (%)

Stark, Butler, Mahoning Counties - Very Low Birthweight (%)

Trends by Quarter | CY 2012-2018

Counties

Butler Mahoning Stark

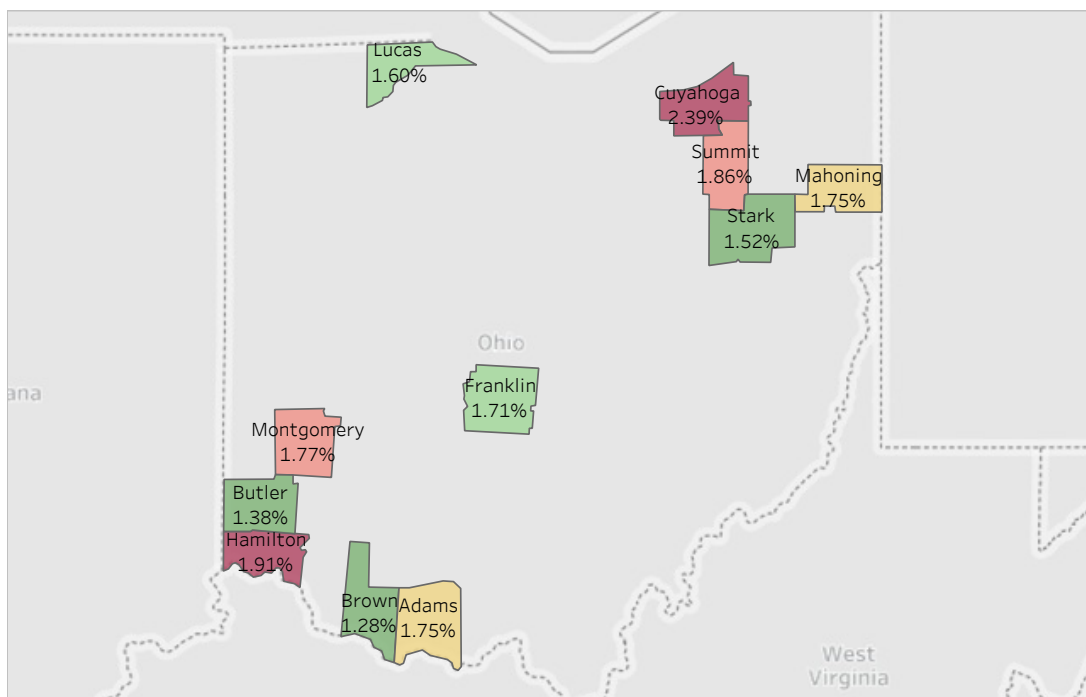


County	VLBW Aggregate Rate Q1 2012 - Q2 2018	VLBW Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	1.38%	1.49%	From 32 to 23 VLBW Infants
Stark	1.52%	1.29%	From 36 to 26 VLBW Infants
Mahoning	1.75%	1.84%	From 28 to 19 VLBW Infants

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Very Low Birthweight (%)

OEI County Quintiles | CY 2012-2018



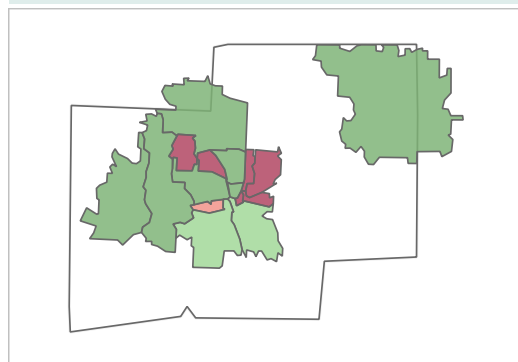
Map Measure Ranges

- $\geq 0 < 1.530\%$
- $\geq 1.530\% < 1.721\%$
- $\geq 1.721\% < 1.756\%$
- $\geq 1.756\% < 1.896\%$
- $\geq 1.896\%$

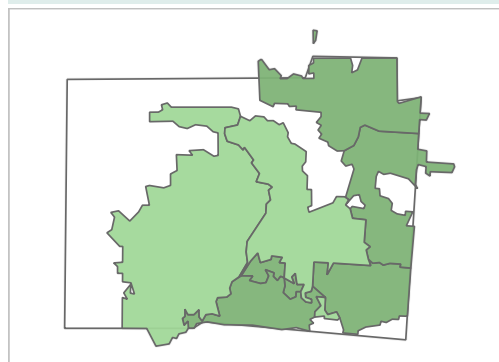
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

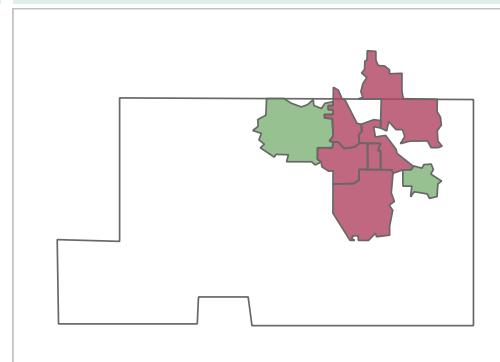
Stark



Butler

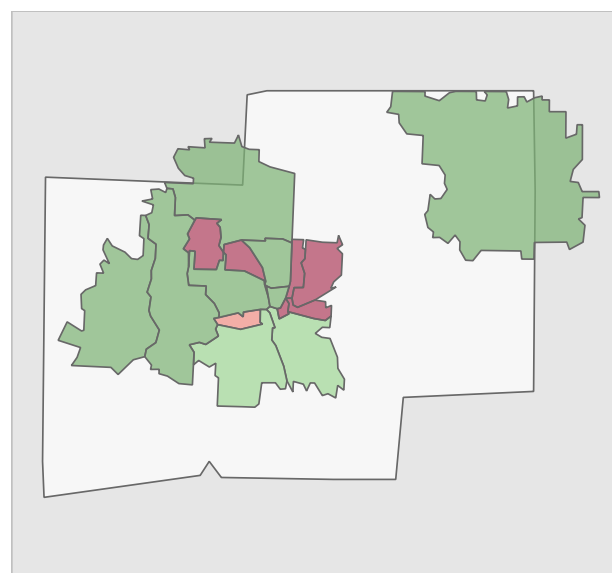
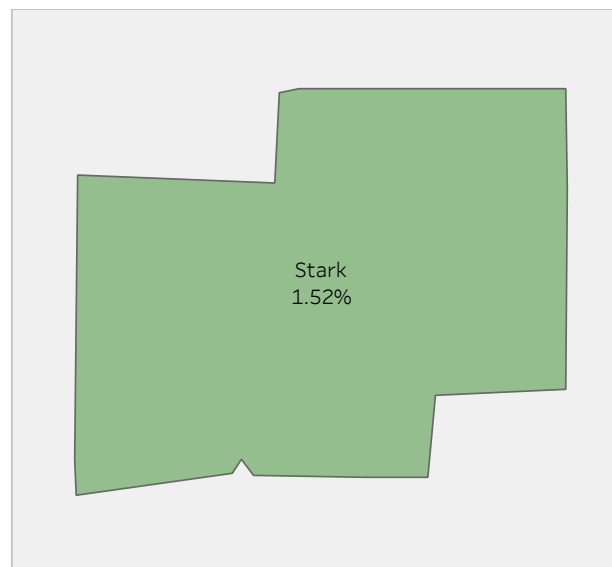
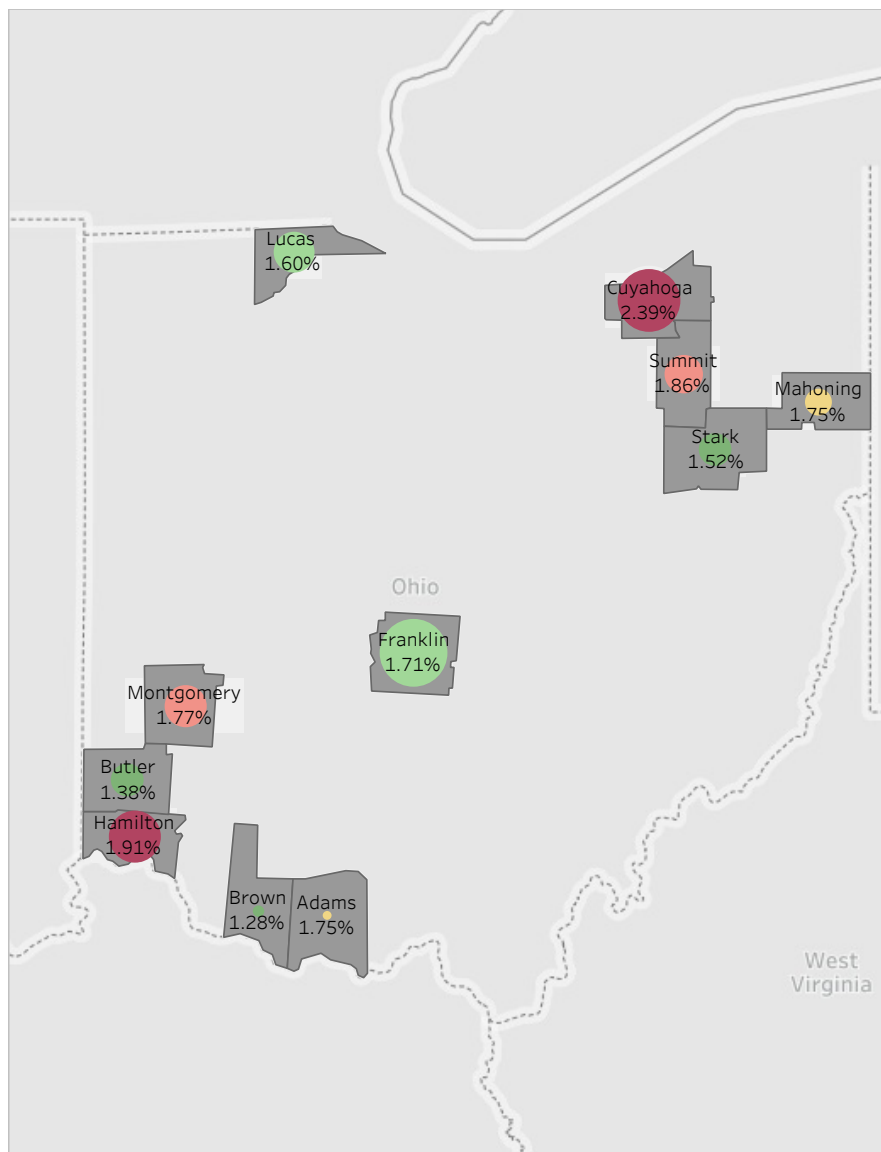


Mahoning



Stark County - Very Low Birthweight (%)

OEI Quintiles | CY 2012-2018



Map Measure Ranges

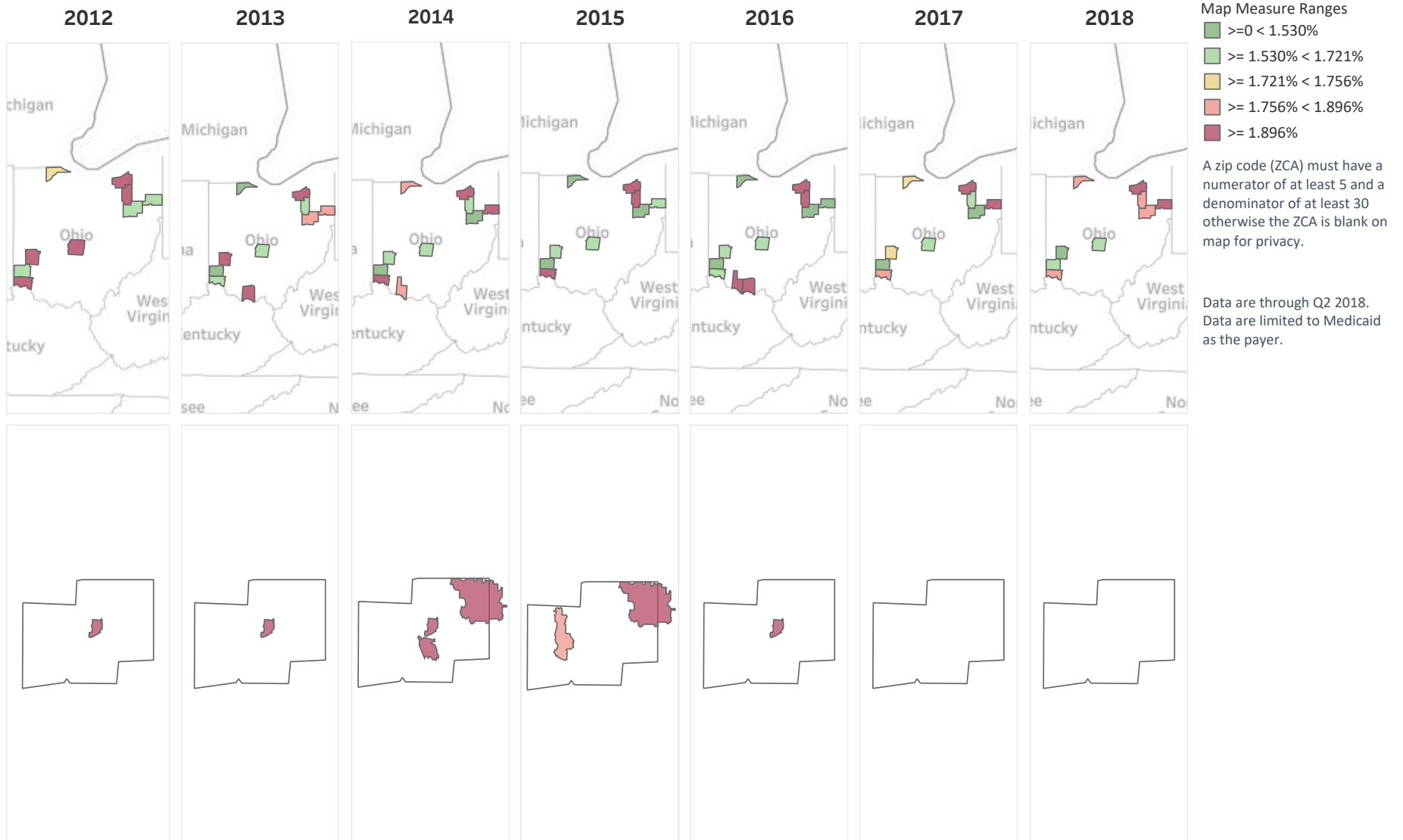
- $\geq 0 < 1.530\%$
- $\geq 1.530\% < 1.721\%$
- $\geq 1.721\% < 1.756\%$
- $\geq 1.756\% < 1.896\%$
- $\geq 1.896\%$

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 Q2 2018.
Data are limited to Medicaid as the payer.

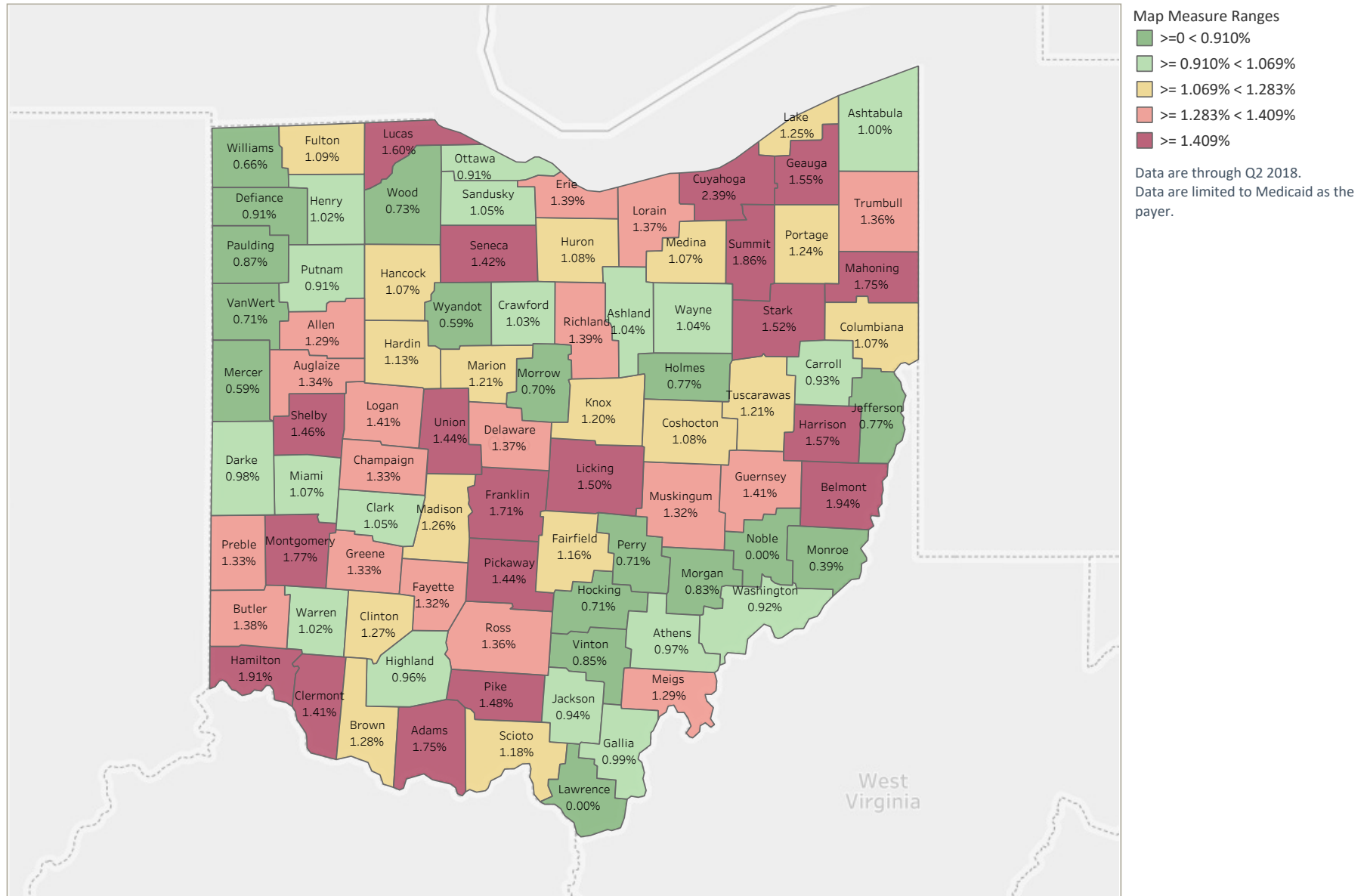
Stark County - Very Low Birthweight (%)

OEI Quintiles | CY 2012-2018 Yearly Comparison



Statewide - Very Low Birthweight (%)

Overall Quintiles by County | CY 2012 - 2018





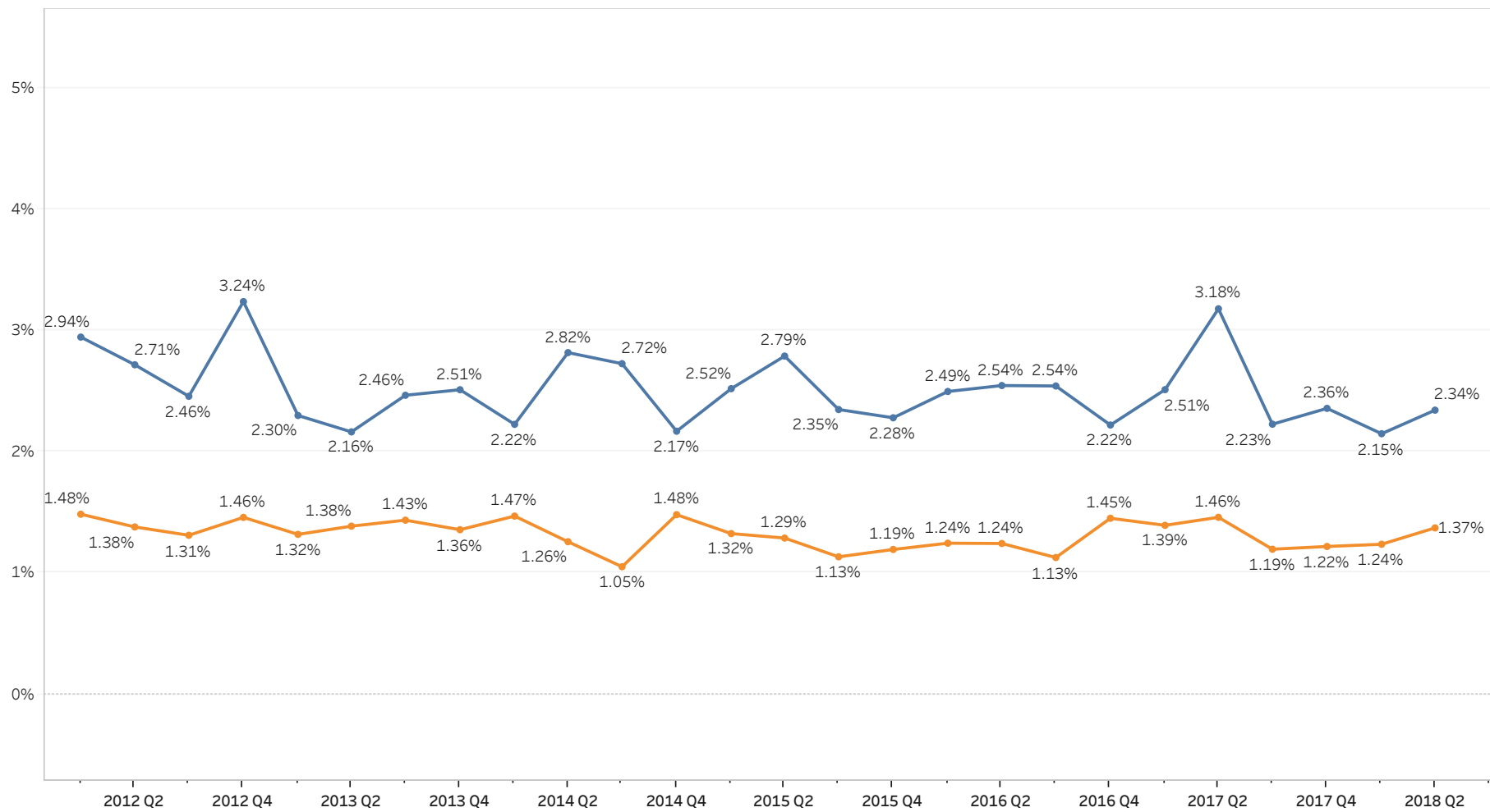
Quarterly Trends by Race - Very Low Birthweight (%)

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

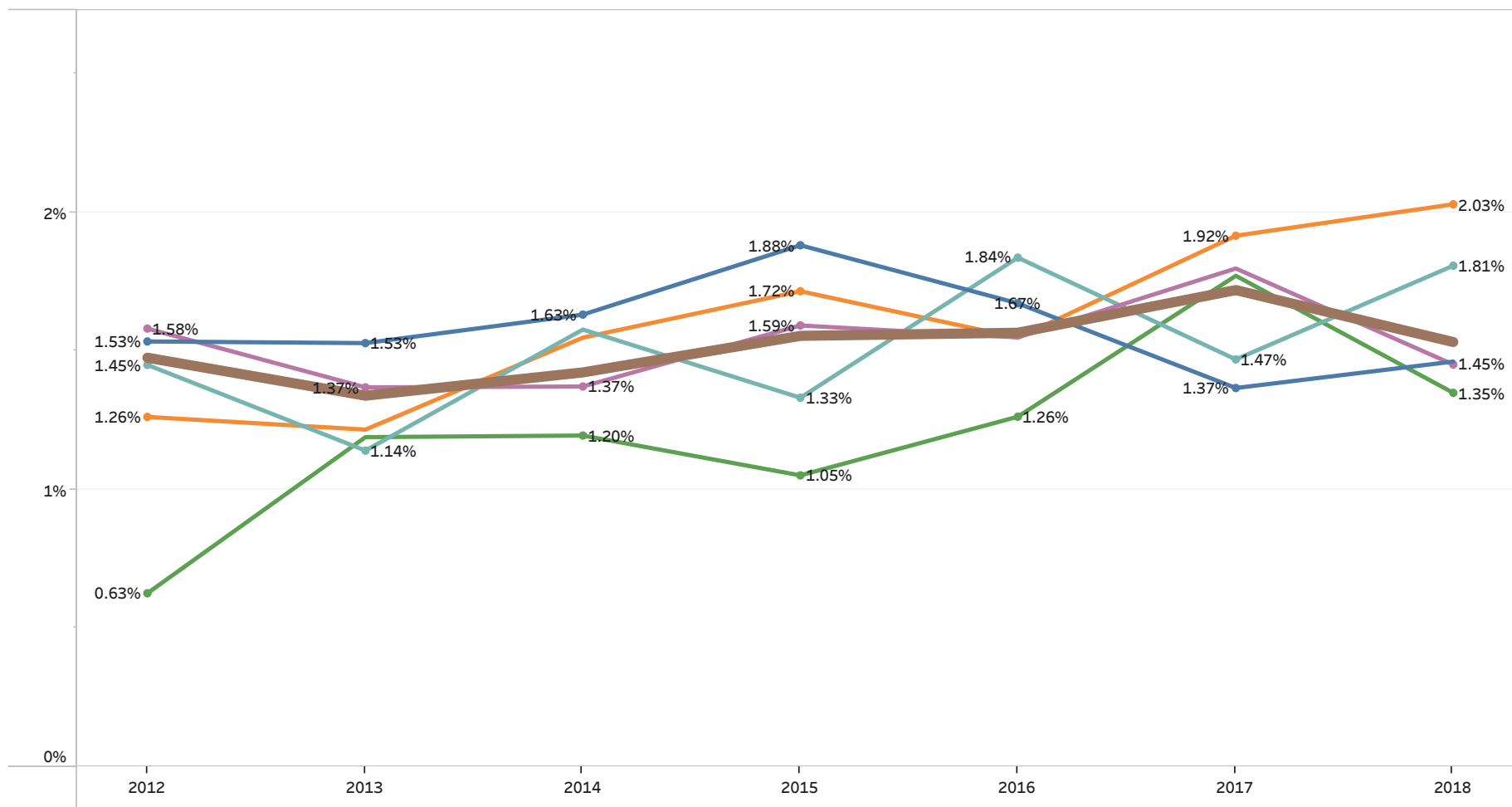
Buckeye

CareSource

Molina

Paramount

United



Data are through Q2 2018.
Data are limited to Medicaid as the payer.

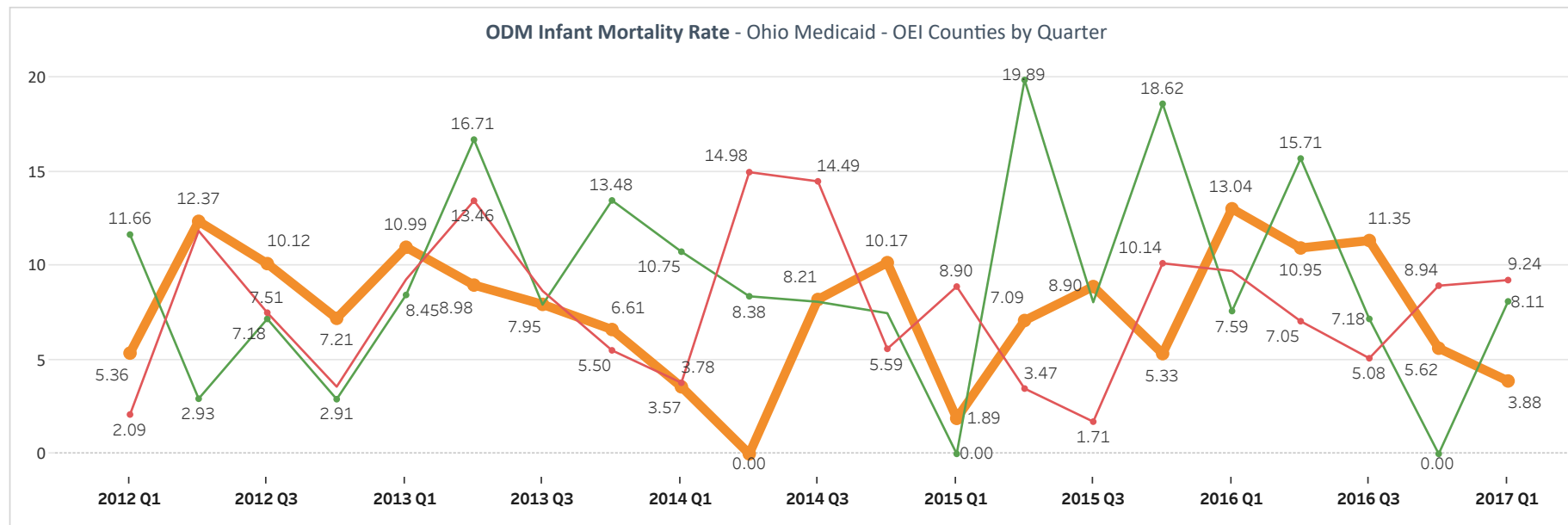


Infant Mortality Rate (ODM Cohort Method Using ODM Data)

Stark, Butler, Mahoning Counties - ODM Infant Mortality Rate Trends by Quarter | CY 2012-2017

Counties

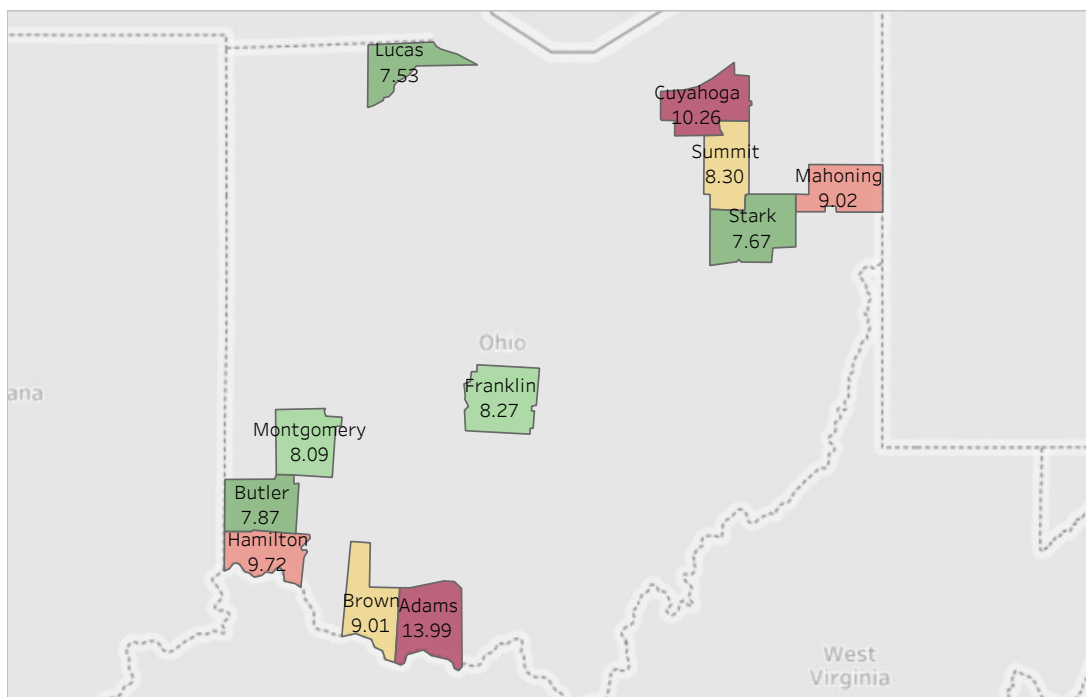
Butler Mahoning Stark



County	Infant Mortality Aggregate Rate Q1 2012 - Q1 2017	Infant Mortality Current Rate Q2 2016 - Q1 2017	Annual Target for Real Impact*
Butler	7.87	7.53	From 19 to 12 Deaths
Stark	7.67	8.13	From 19 to 12 Deaths
Mahoning	9.02	7.47	From 15 to 9 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 – Q1 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 Q1 2017. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - ODM Infant Mortality Rate OEI County Quintiles | CY 2012-2017



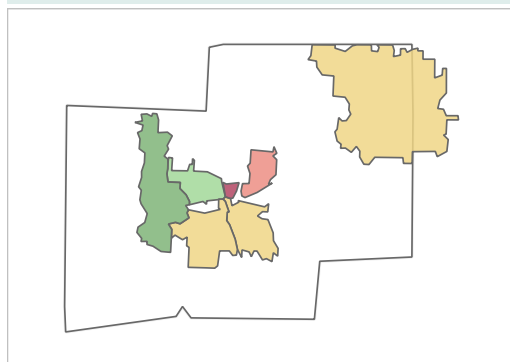
Map Measure Ranges

- $\geq 0 < 7.875$
- $\geq 7.875 < 8.283$
- $\geq 8.283 < 9.010$
- $\geq 9.010 < 10.246$
- ≥ 10.246

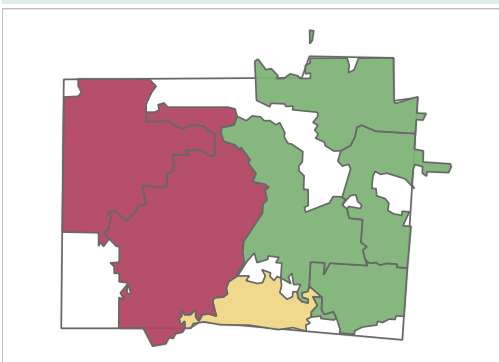
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q1 2017.
Data are limited to Medicaid as the payer.

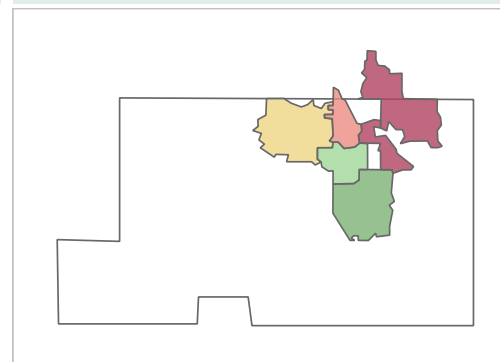
Stark



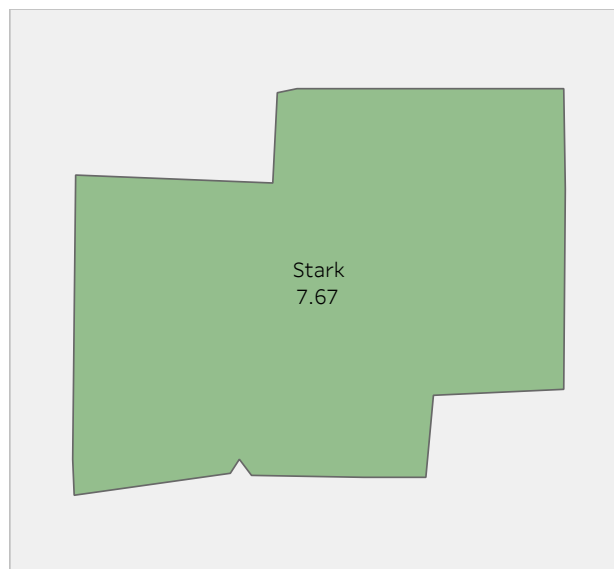
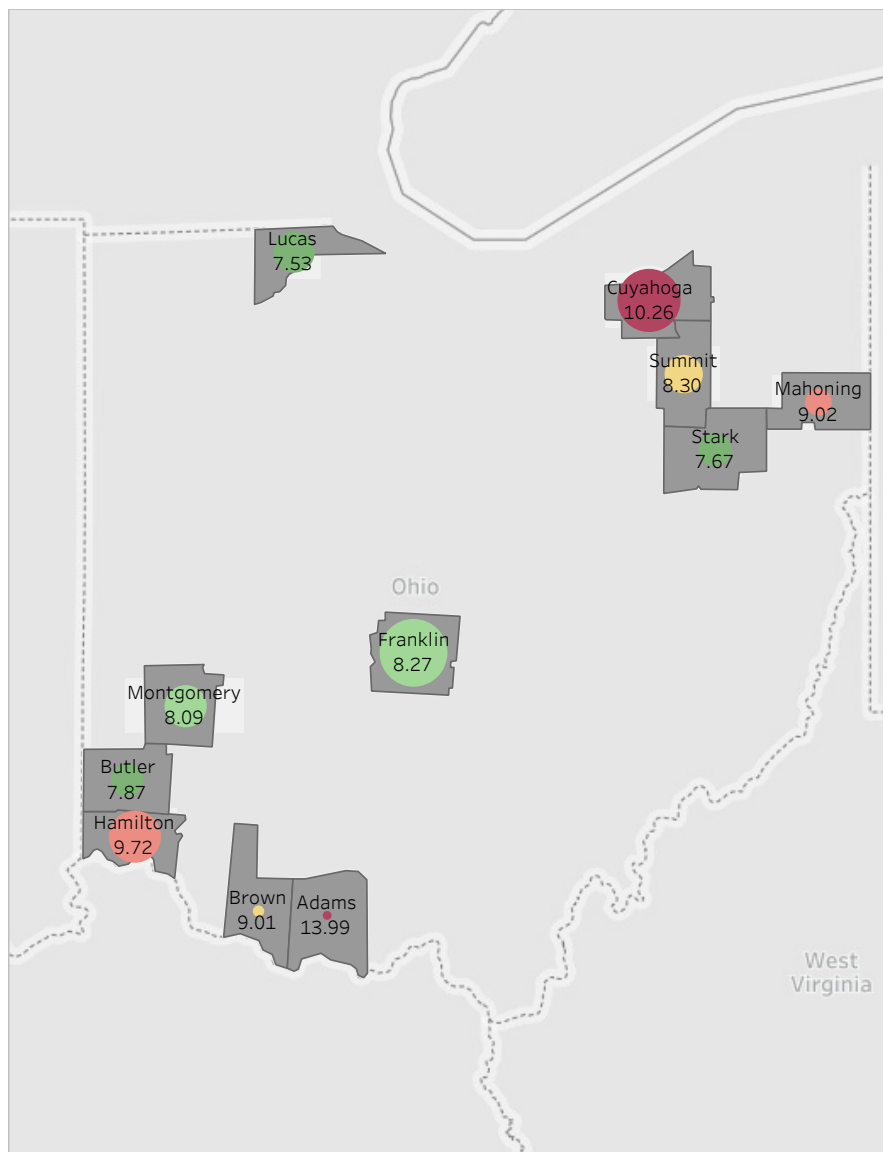
Butler



Mahoning



Stark County - ODM Infant Mortality Rate OEI Quintiles | CY 2012-2017

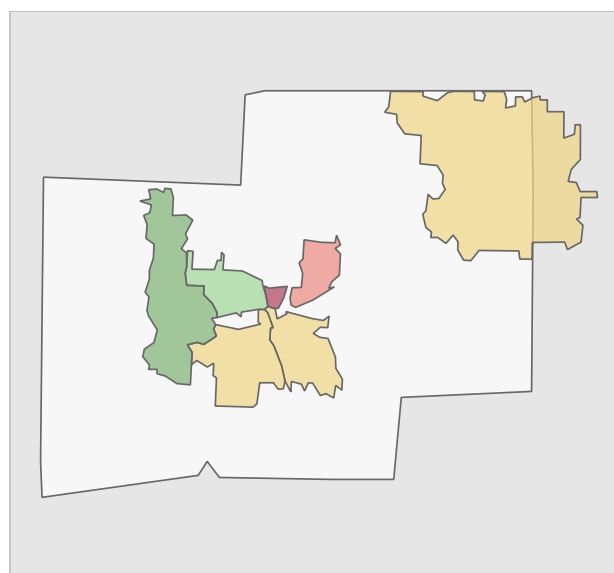


Map Measure Ranges

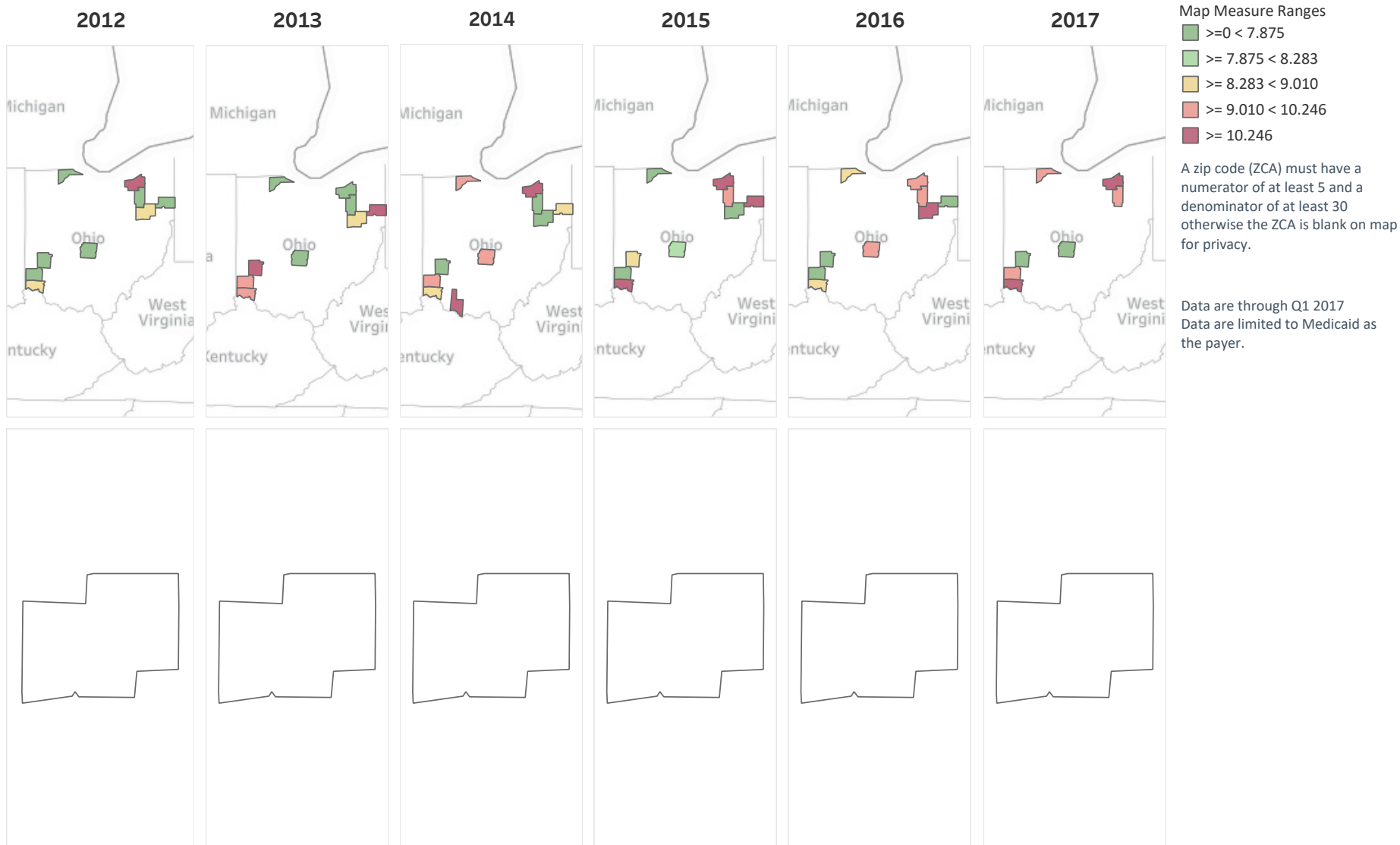
- $\geq 0 < 7.875$
- $\geq 7.875 < 8.283$
- $\geq 8.283 < 9.010$
- $\geq 9.010 < 10.246$
- ≥ 10.246

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.

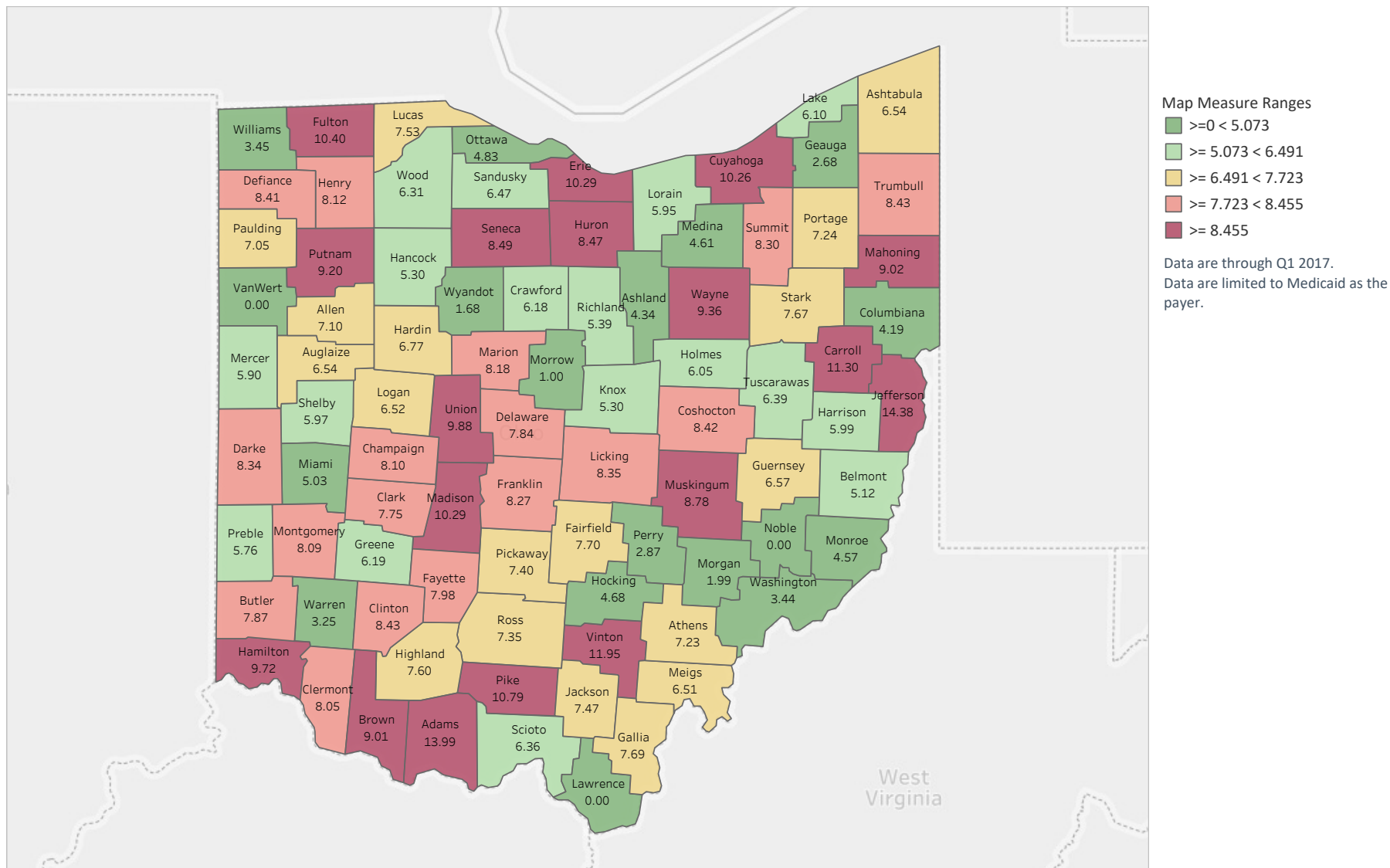
Data are through Q1 2017.
Data are limited to Medicaid as the payer.



Stark County - ODM Infant Mortality Rate OEI Quintiles | CY 2012-2017 Yearly Comparison



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



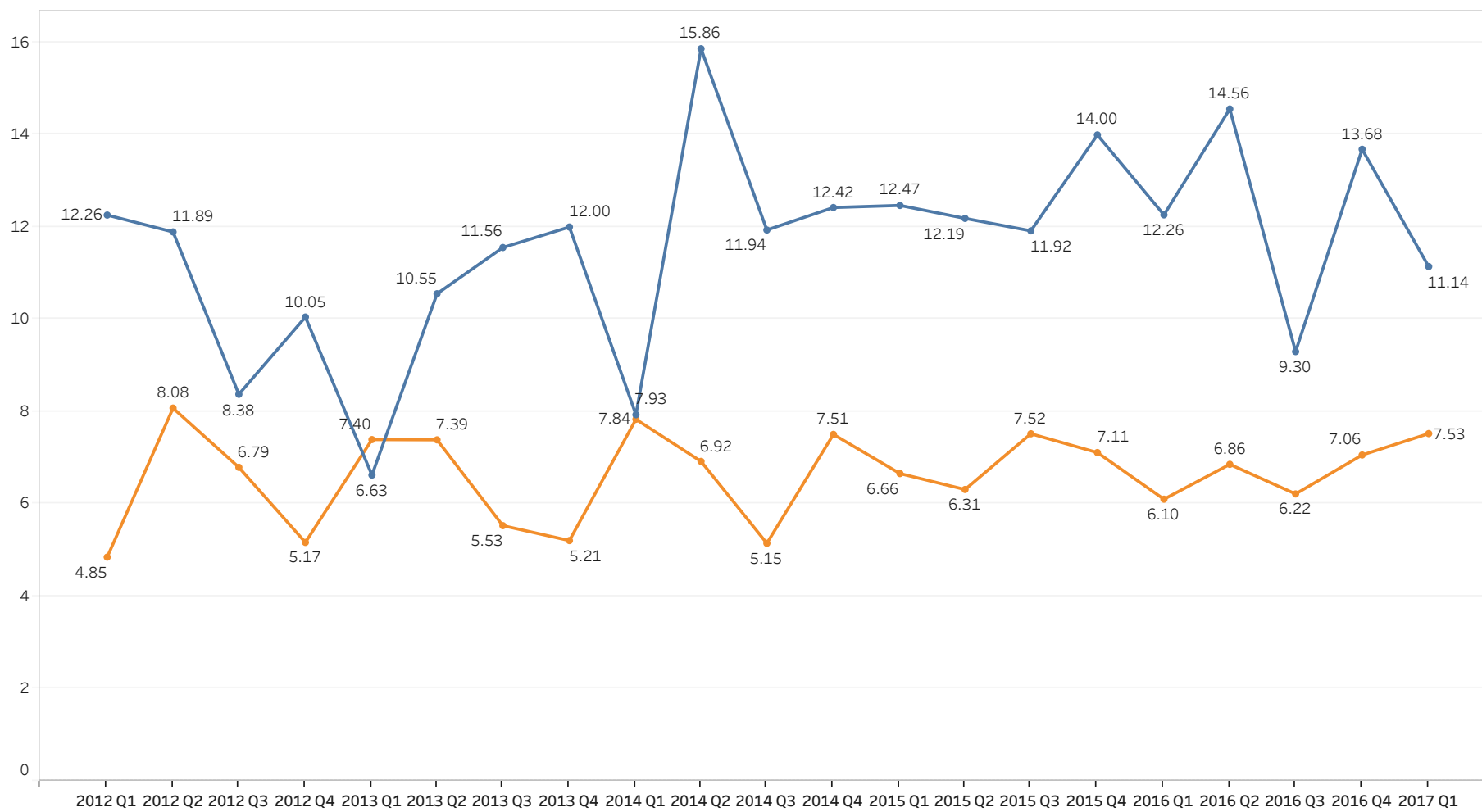


Quarterly Trends by Race - ODM Infant Mortality Rate All OEI Counties | CY 2012-2017

Race

African American

Caucasian



Data are limited to Medicaid as the payer.



Yearly Trends by MCP - ODM Infant Mortality Rate All OEI Counties | CY 2012-2017

Medicaid Plan

All Plans

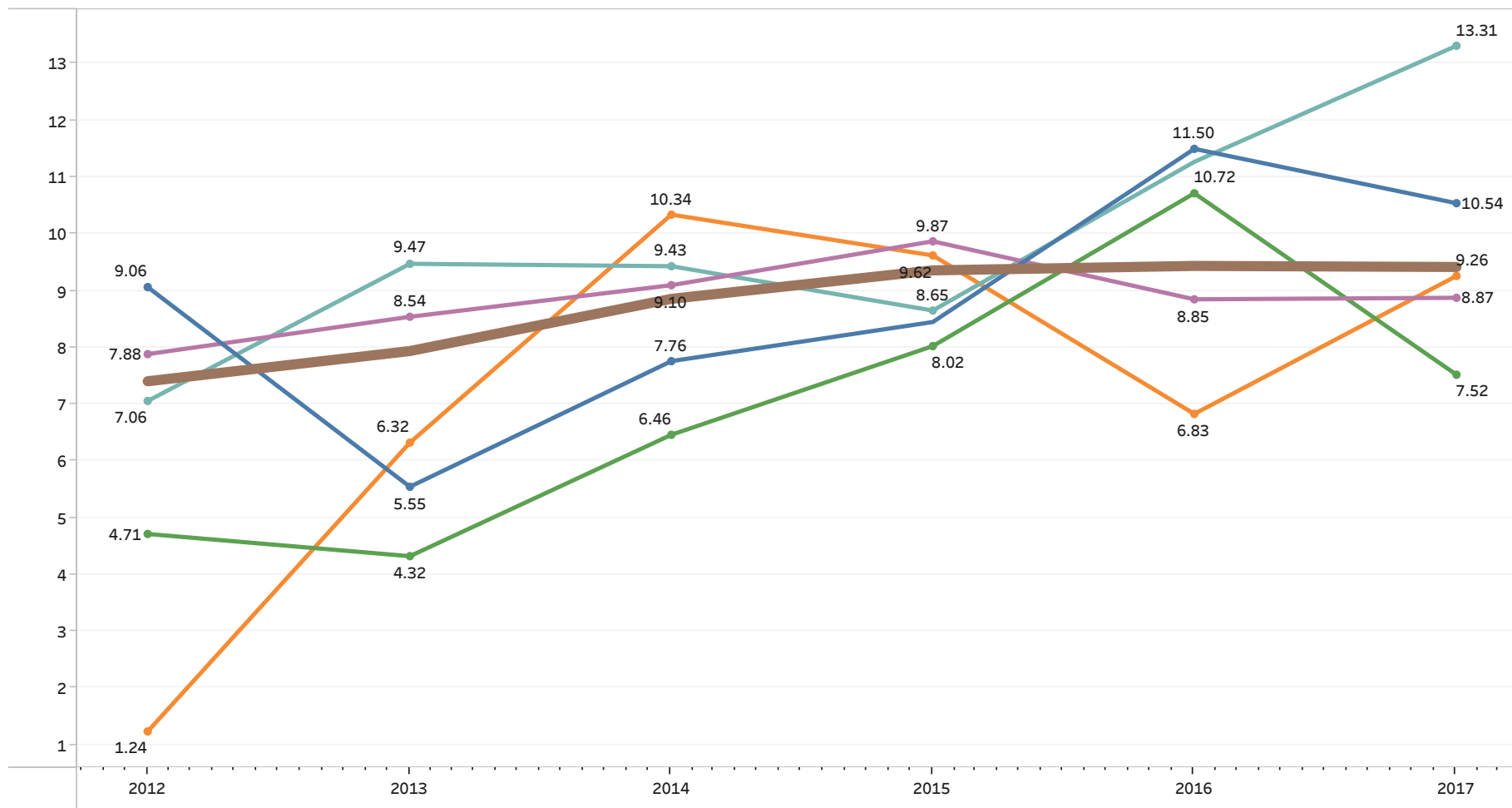
Buckeye

CareSource

Molina

Paramount

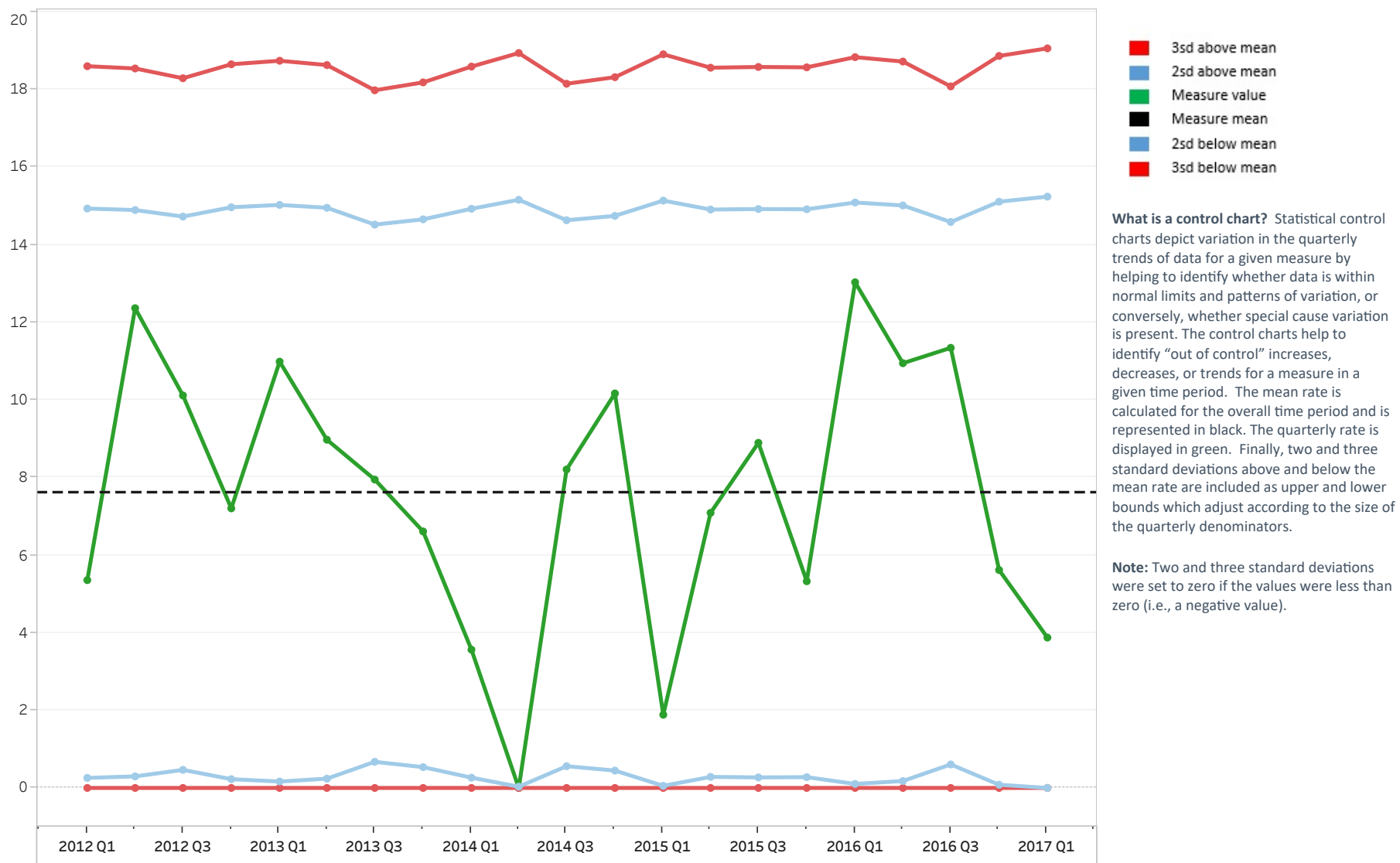
United



Data are through Q1 2017.

Data are limited to Medicaid as the payer.

Stark County Quarterly Control Chart - ODM Infant Mortality Rate CY 2012-2017



Data are limited to Medicaid as the payer.



Infant Mortality Rate (ODH Raw Deaths/Births Method)

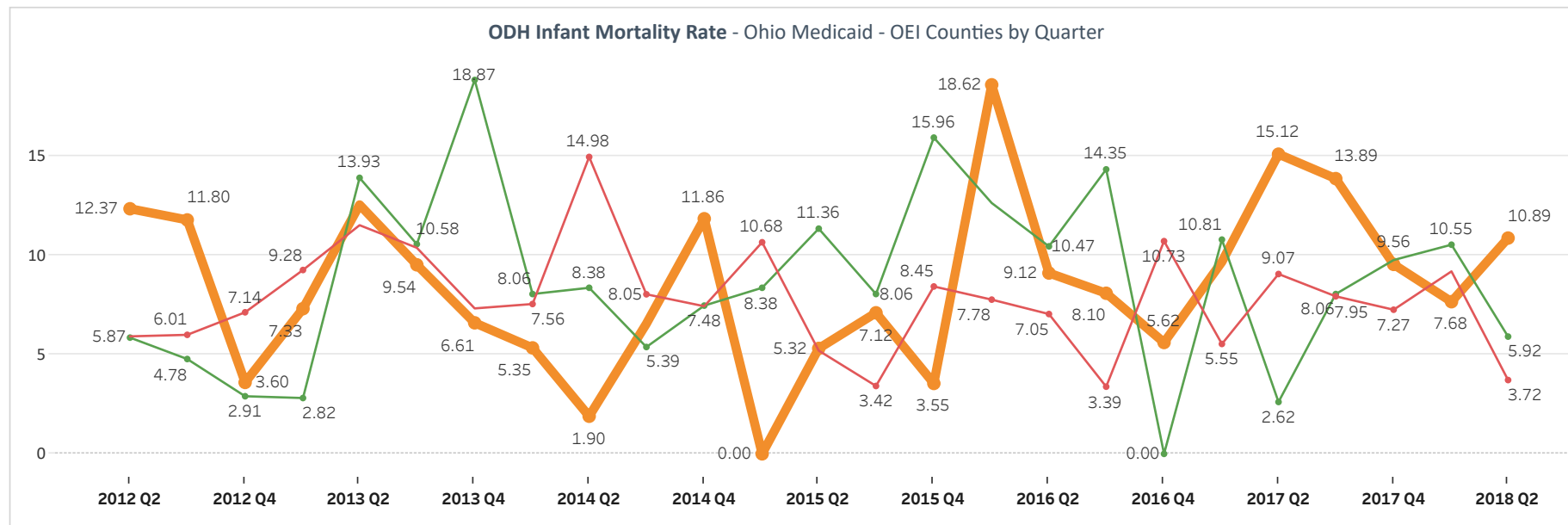
Stark, Butler, Mahoning Counties - ODH Infant Mortality Rate Trends by Quarter | CY 2012-2018

Counties

Butler

Mahoning

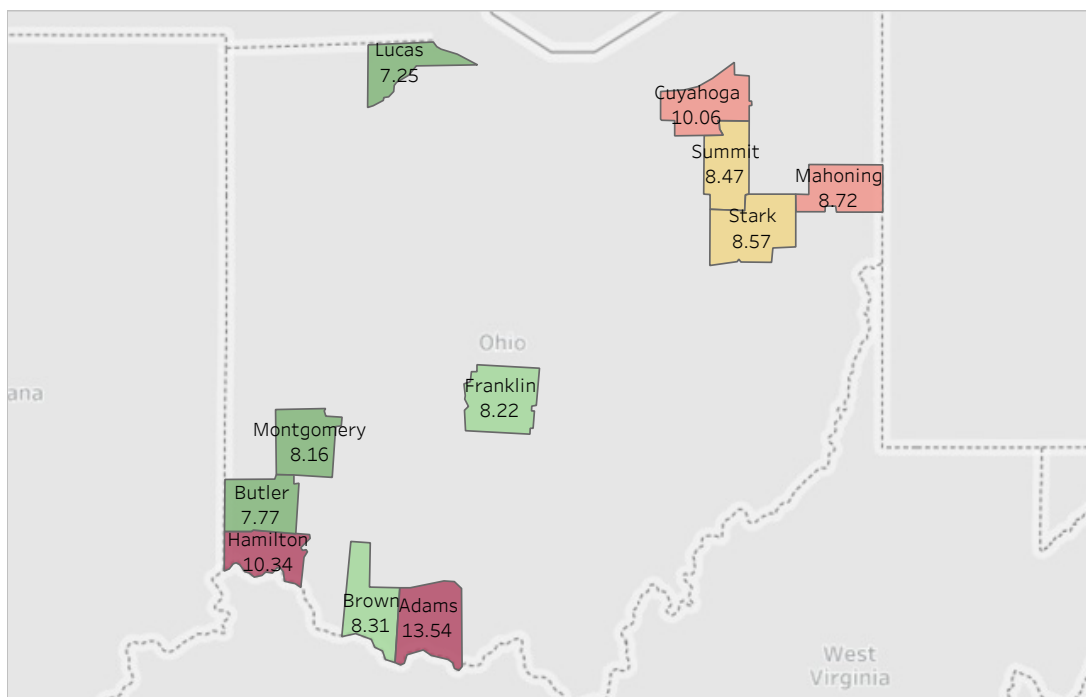
Stark



County	ODH Infant Mortality Aggregate Rate Q2 2012 - Q2 2018	ODH Infant Mortality Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	7.77	7.08	From 19 to 12 Deaths
Stark	8.57	10.59	From 21 to 13 Deaths
Mahoning	8.72	8.68	From 14 to 8 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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - ODH Infant Mortality Rate OEI County Quintiles | CY 2012-2018



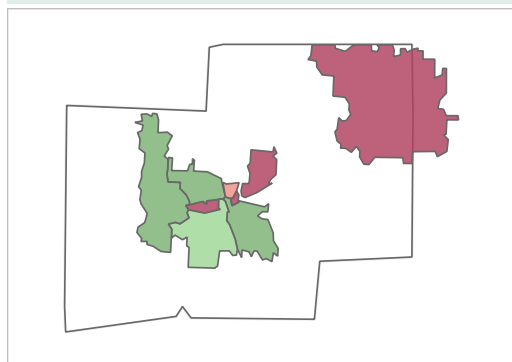
Map Measure Ranges

- >= 0 < 8.172
- >= 8.172 < 8.324
- >= 8.324 < 8.706
- >= 8.706 < 10.328
- >= 10.328

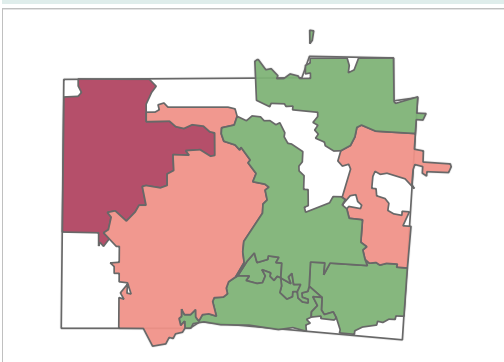
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

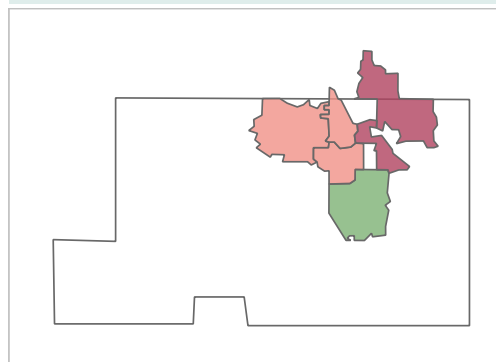
Stark



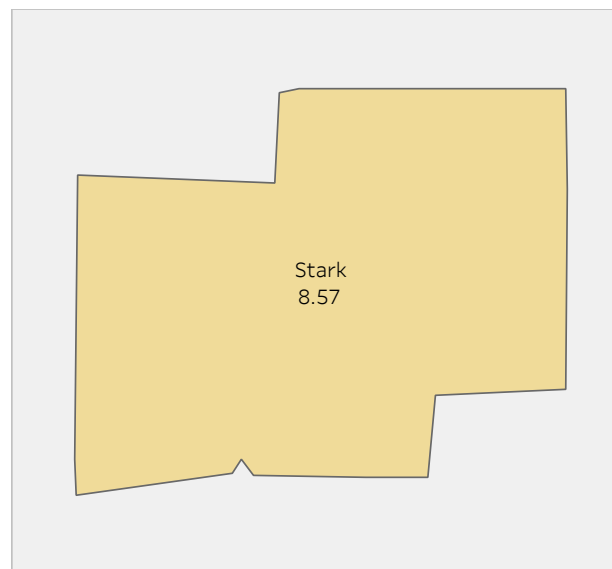
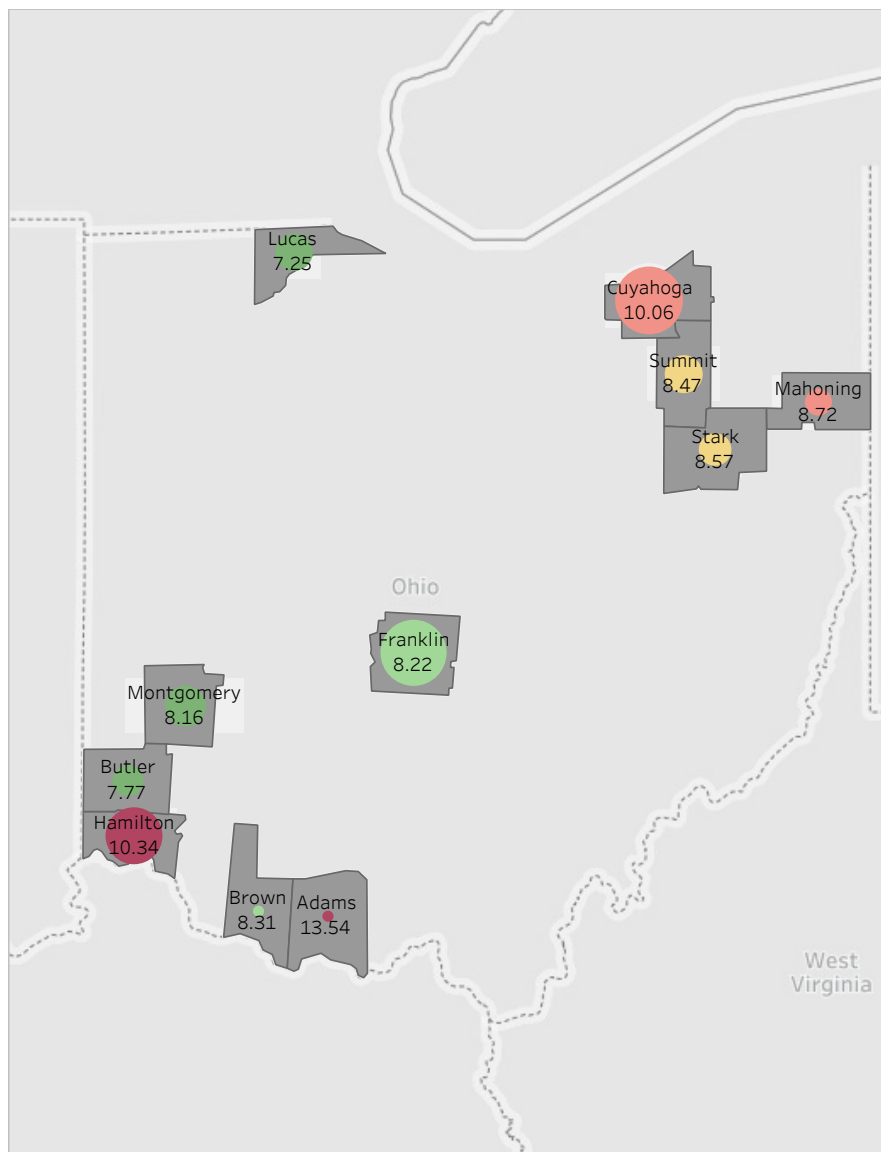
Butler



Mahoning



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

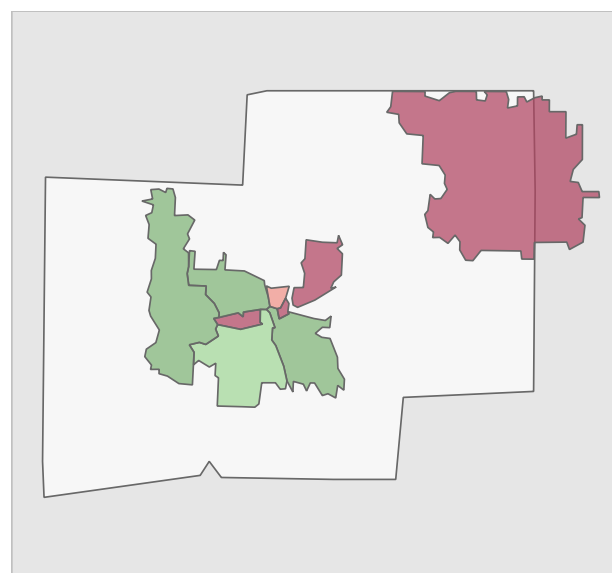


Map Measure Ranges

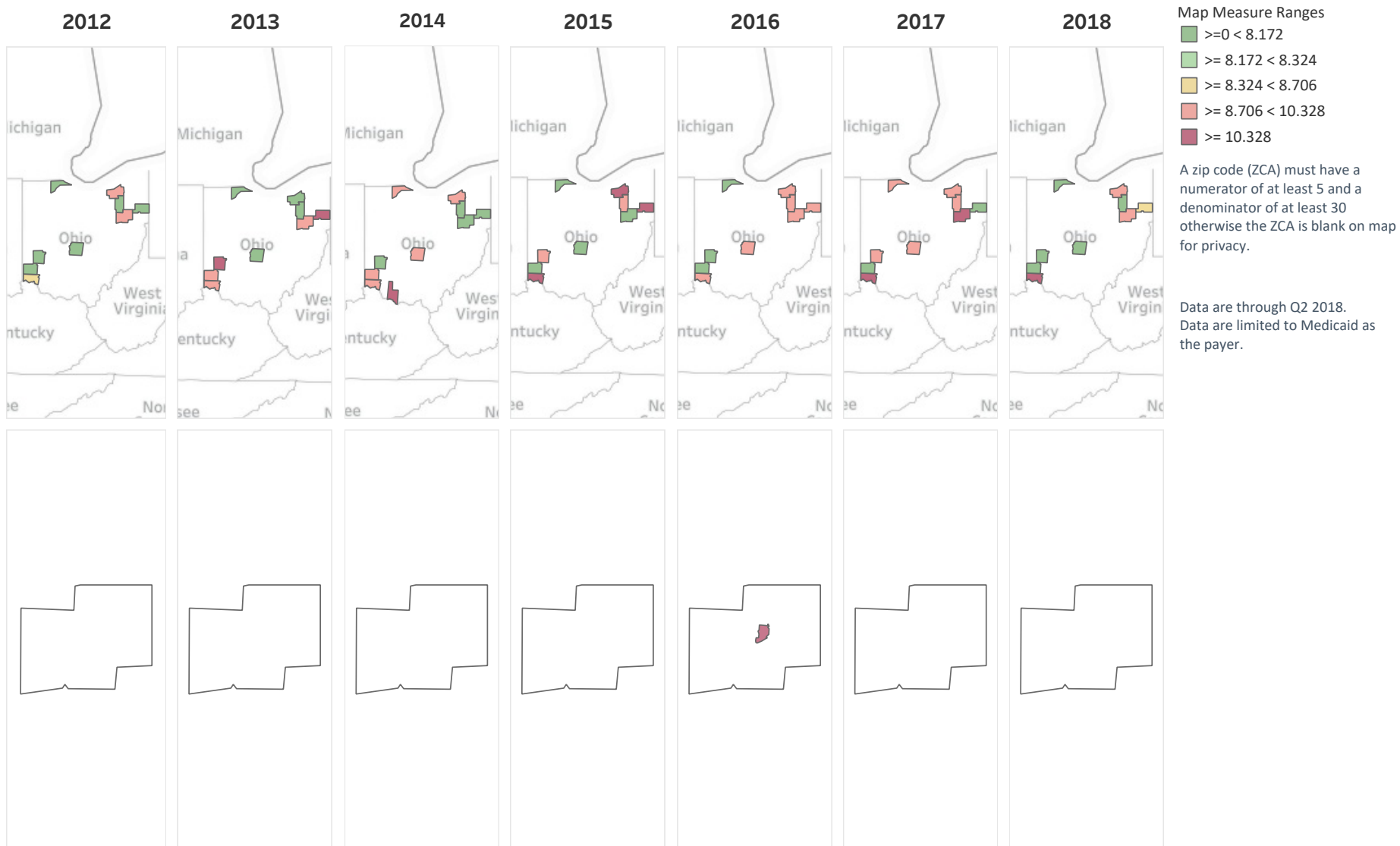
- $\geq 0 < 8.172$
- $\geq 8.172 < 8.324$
- $\geq 8.324 < 8.706$
- $\geq 8.706 < 10.328$
- ≥ 10.328

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.

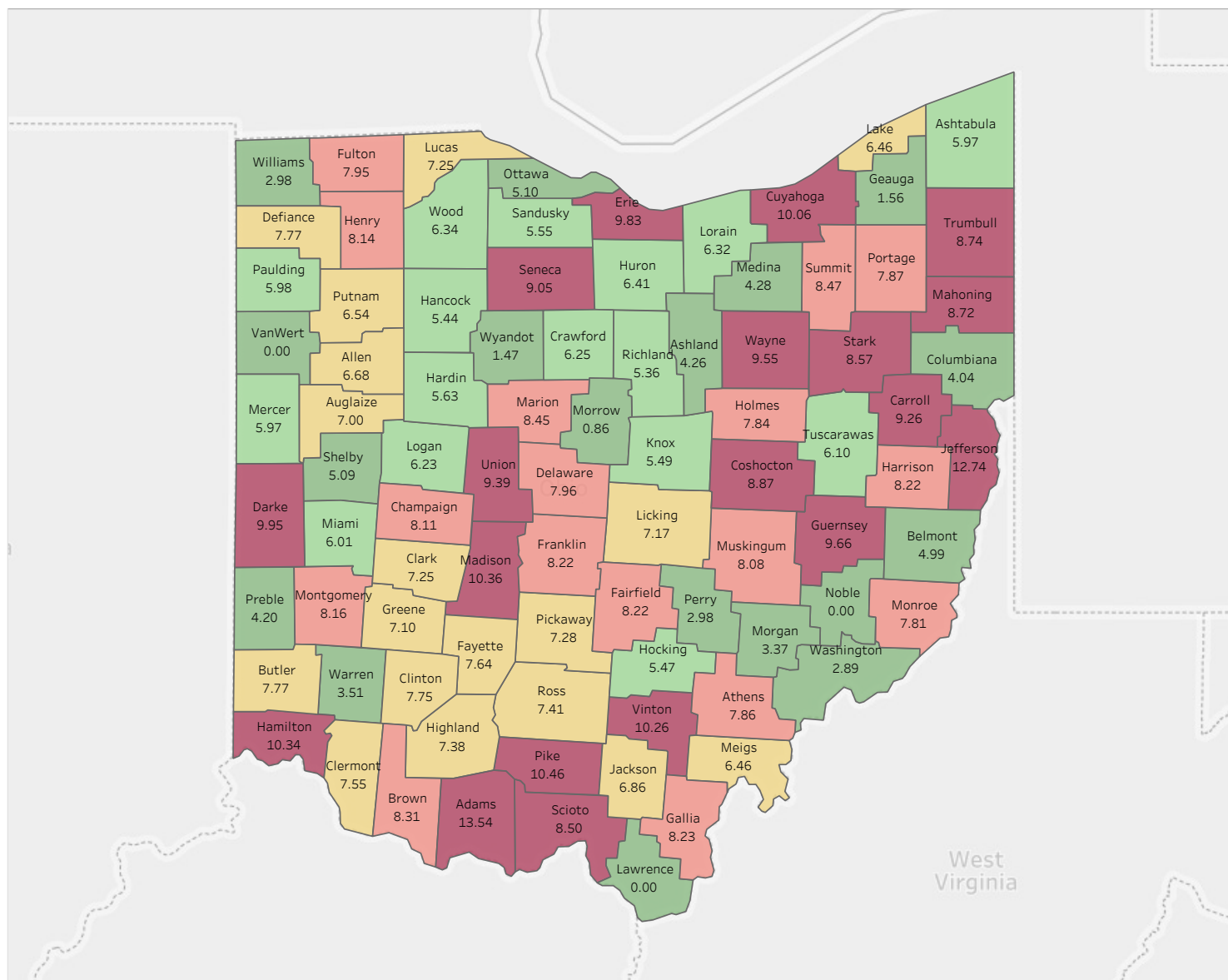
Data are through Q2 2018.
Data are limited to Medicaid as the payer.



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



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



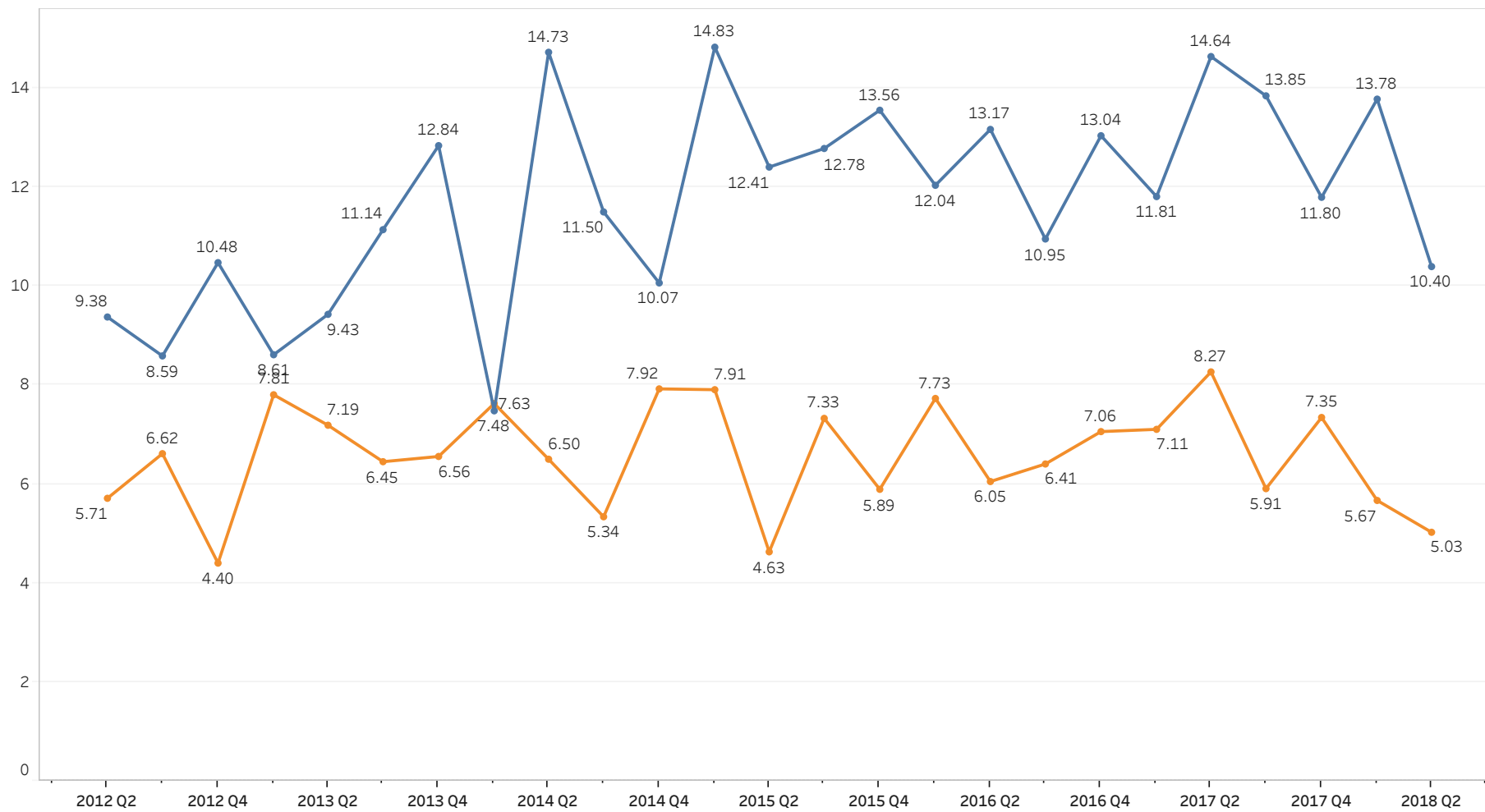


Quarterly Trends by Race - ODH Infant Mortality Rate All OEI Counties | CY 2012-2018

Race

African American

Caucasian



Data are limited to Medicaid as the payer.

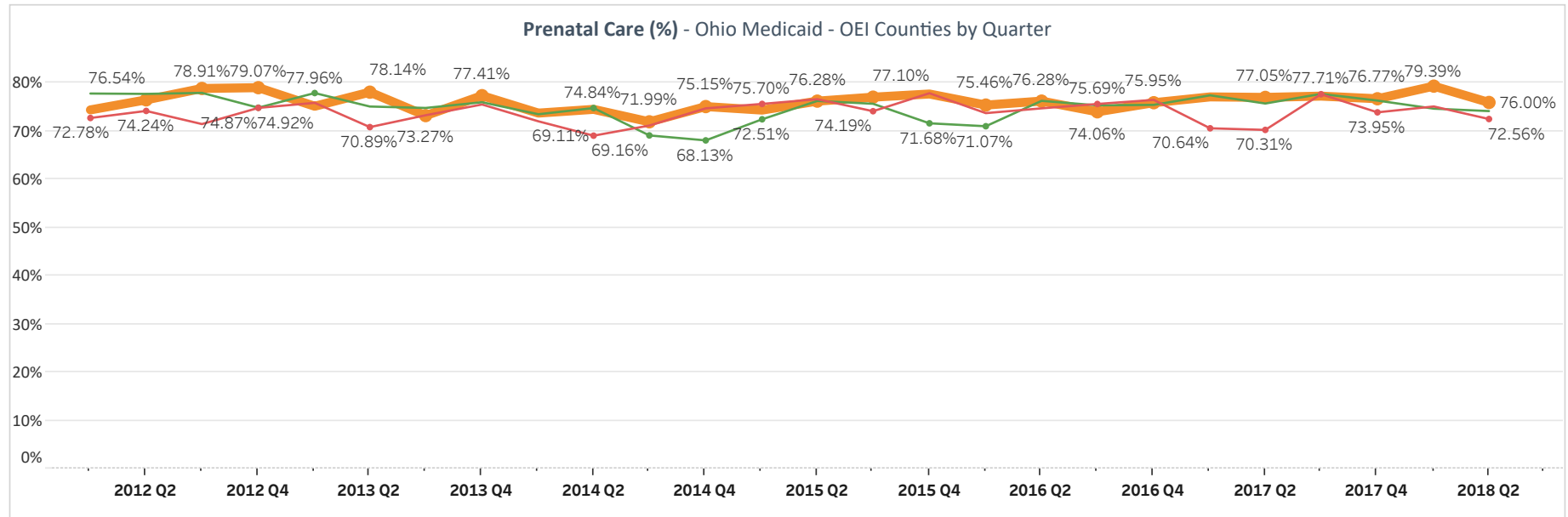
Prenatal Care (%)

Stark, Butler, Mahoning Counties - Prenatal Care (%)

Trends by Quarter | CY 2012-2018

Counties

Butler Mahoning Stark

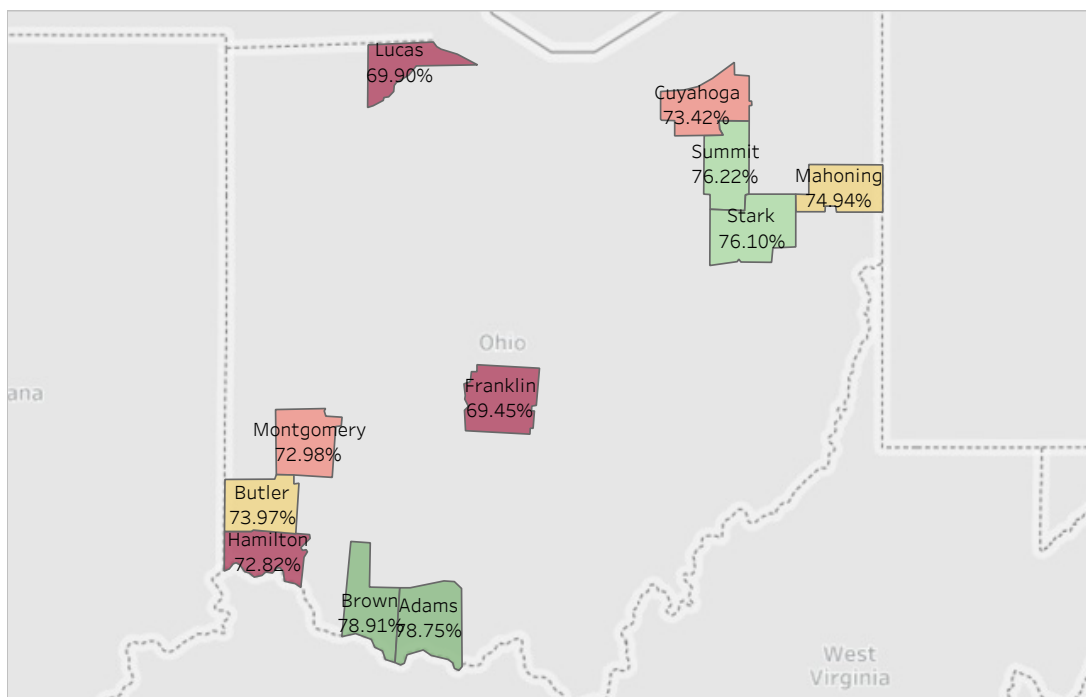


County	Prenatal Aggregate Rate Q1 2012 - Q2 2018	Prenatal Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	73.97%	74.96%	From 1419 to 1451 Women
Stark	76.10%	77.35%	From 1608 to 1641 Women
Mahoning	74.94%	75.81%	From 1100 to 1127 Women

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Prenatal Care (%)

OEI County Quintiles | CY 2012-2018



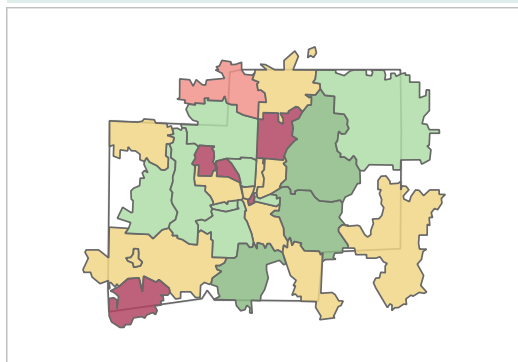
Map Measure Ranges

- $\geq 0 < 72.828\%$
- $\geq 72.828\% < 73.431\%$
- $\geq 73.431\% < 76.088\%$
- $\geq 76.088\% < 78.743\%$
- $\geq 78.743\%$

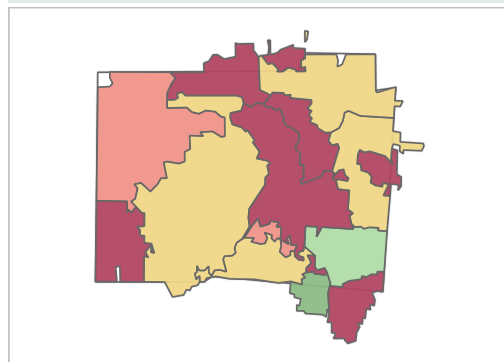
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

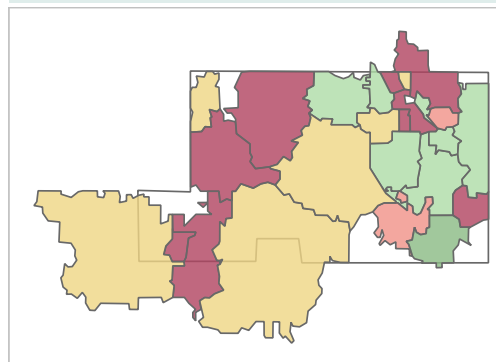
Stark



Butler

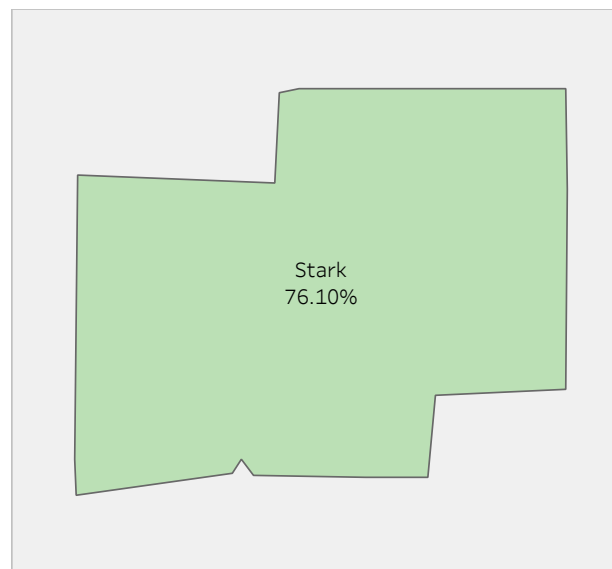
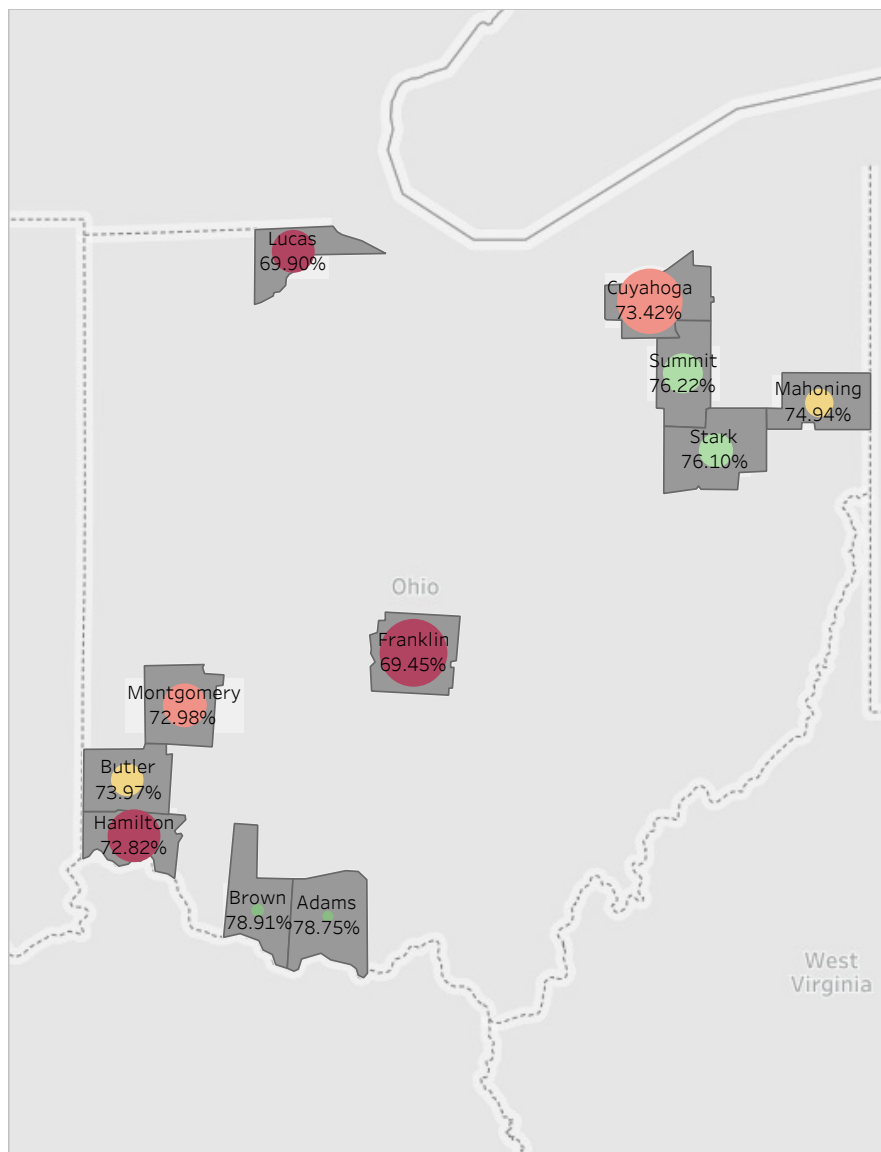


Mahoning



Stark County - Prenatal Care (%)

OEI Quintiles | CY 2012-2018

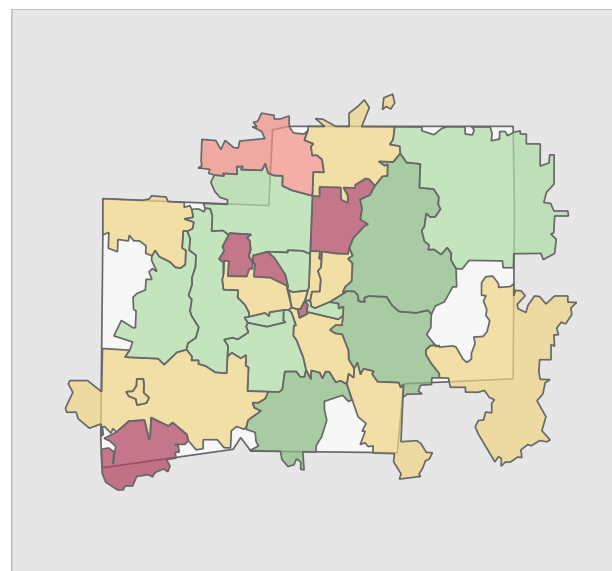


Map Measure Ranges

- $\geq 0 < 72.828\%$
- $\geq 72.828\% < 73.431\%$
- $\geq 73.431\% < 76.088\%$
- $\geq 76.088\% < 78.743\%$
- $\geq 78.743\%$

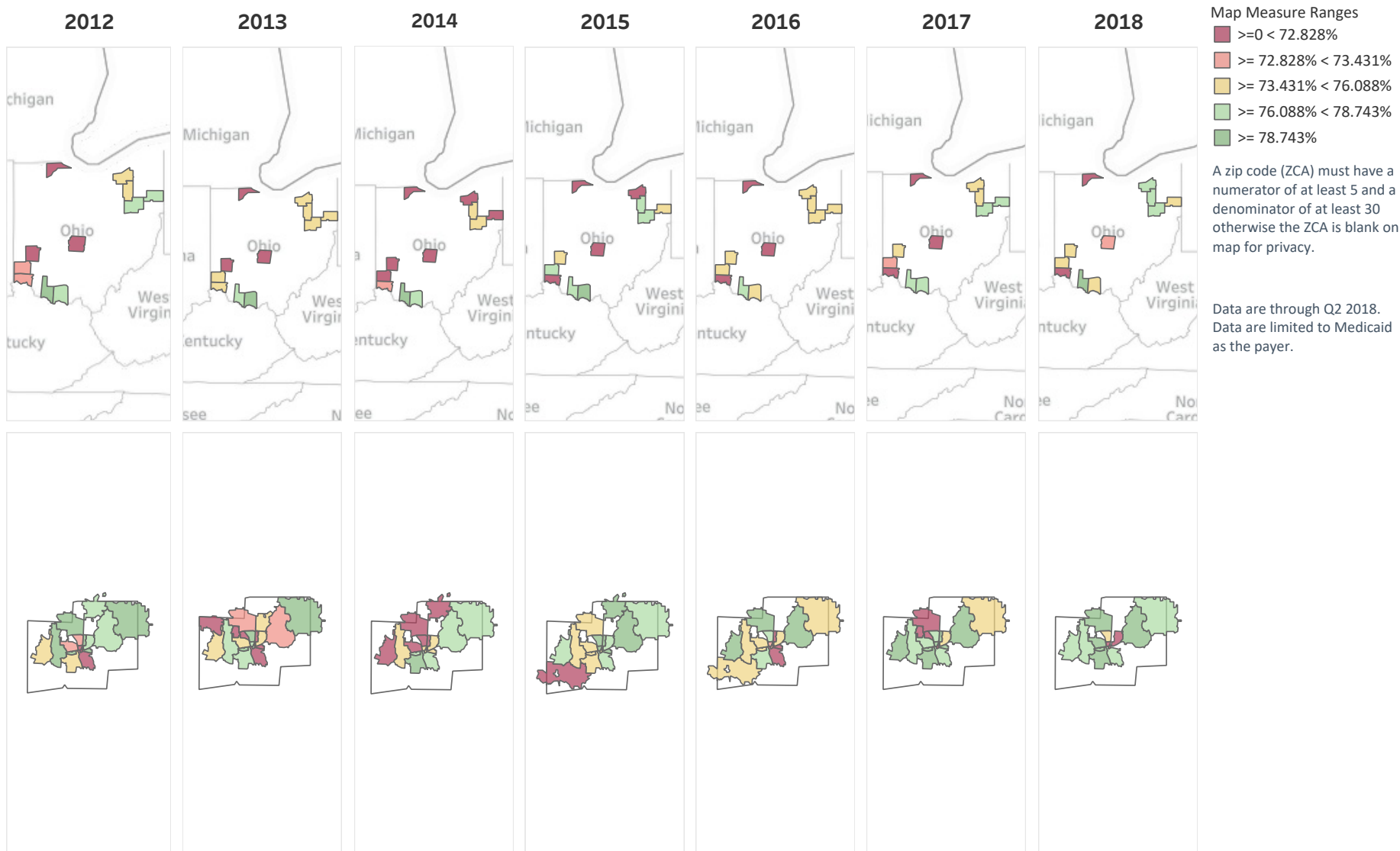
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.



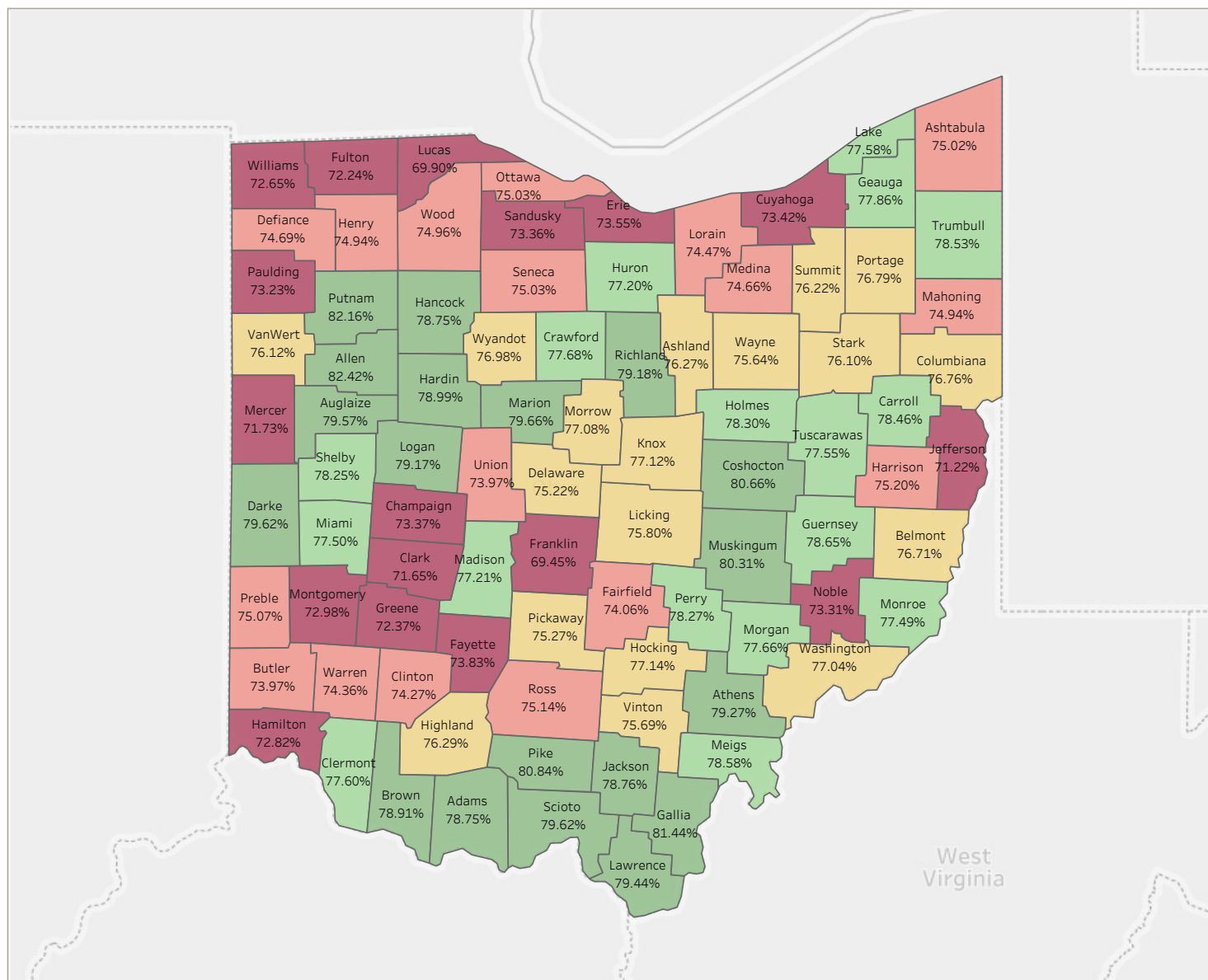
Stark County - Prenatal Care (%)

OEI Quintiles | CY 2012-2018 Yearly Comparison



Statewide - Prenatal Care (%)

Overall Quintiles by County | CY 2012 - 2018



Map Measure Ranges

- >=0 < 73.899%
- >= 73.899% < 75.214%
- >= 75.214% < 77.174%
- >= 77.174% < 78.699%
- >= 78.699%

Data are through Q2 2018.
Data are limited to Medicaid as the payer.



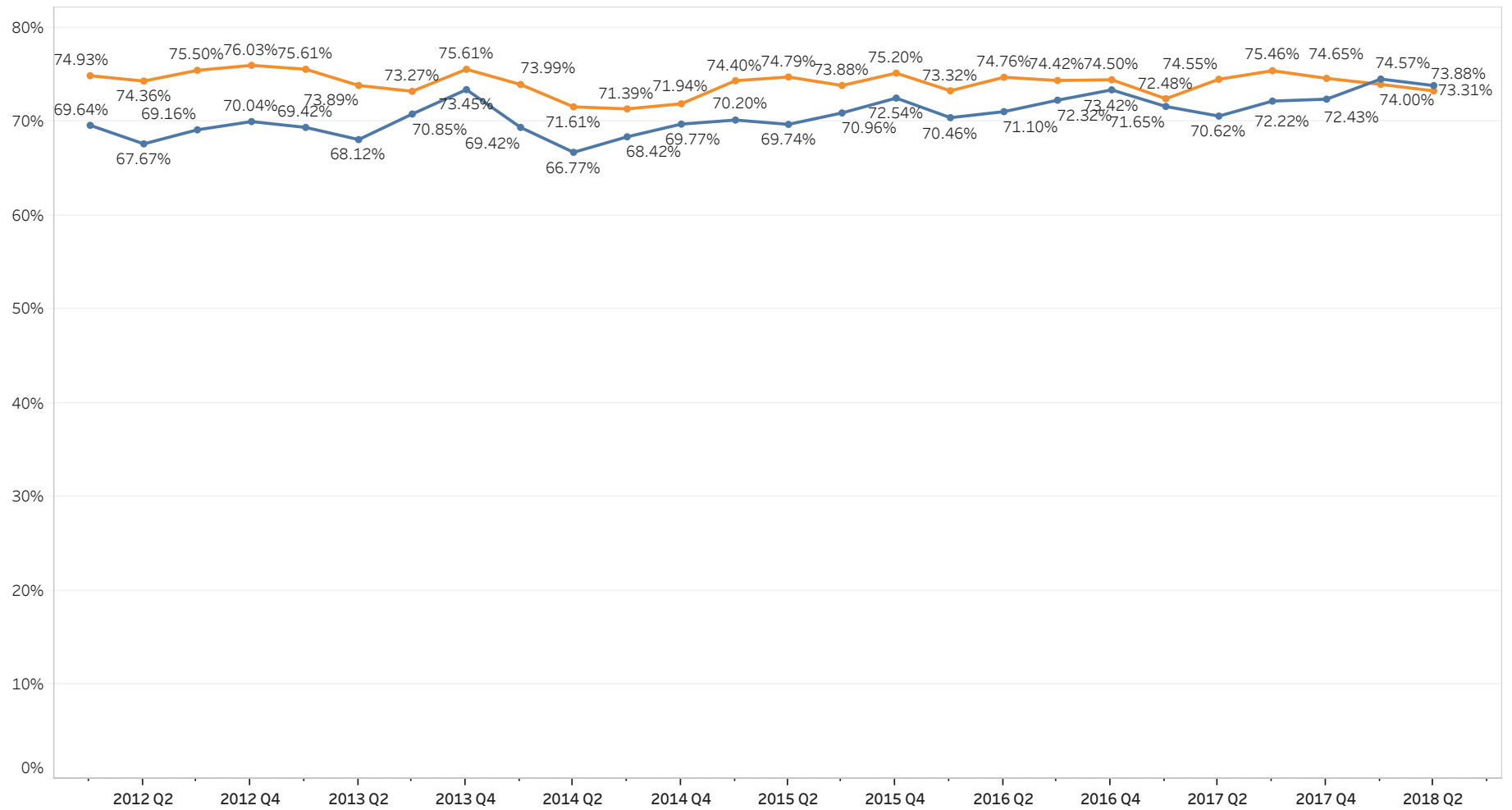
Quarterly Trends by Race - Prenatal Care (%)

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

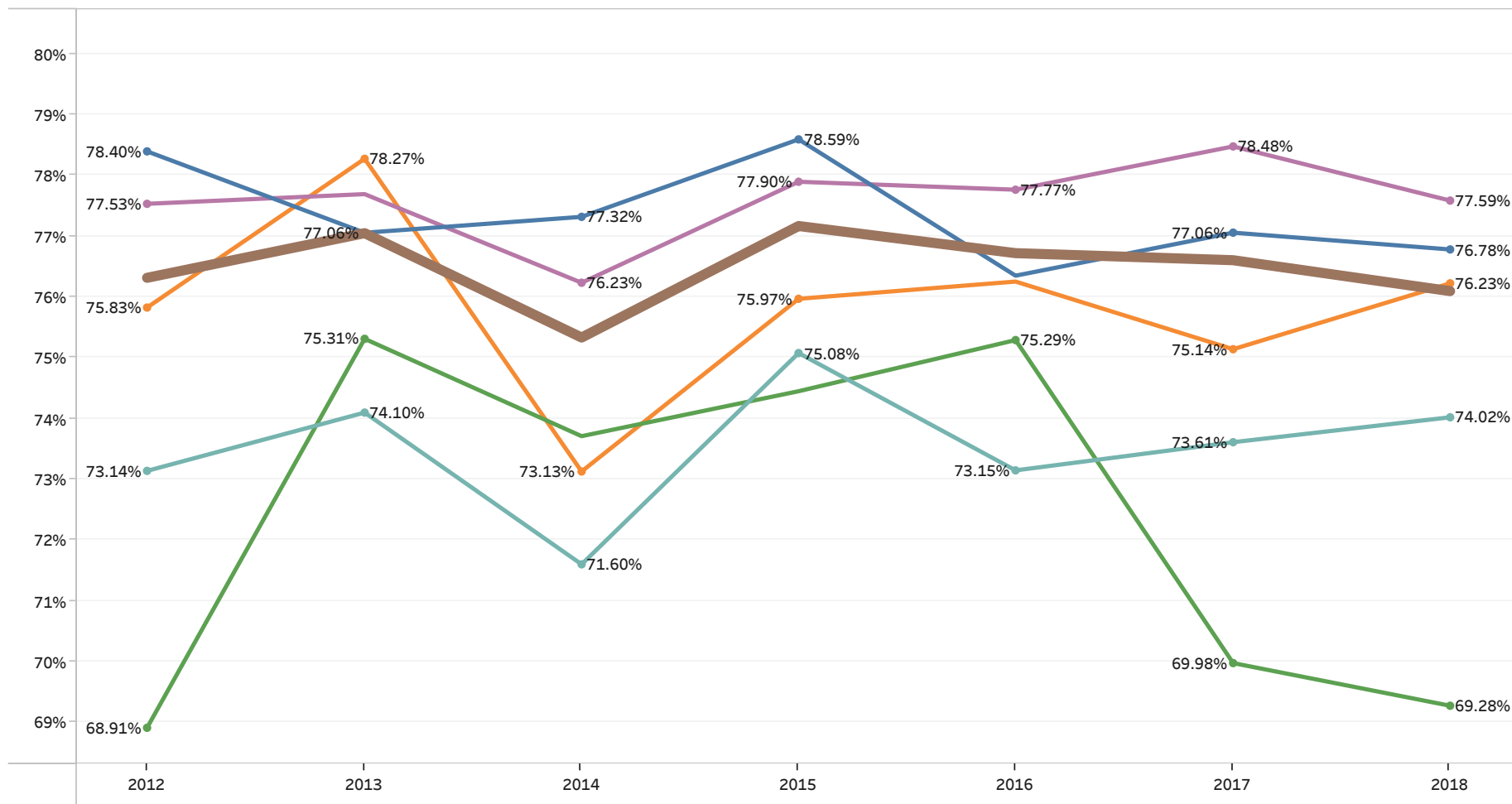
Buckeye

CareSource

Molina

Paramount

United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.



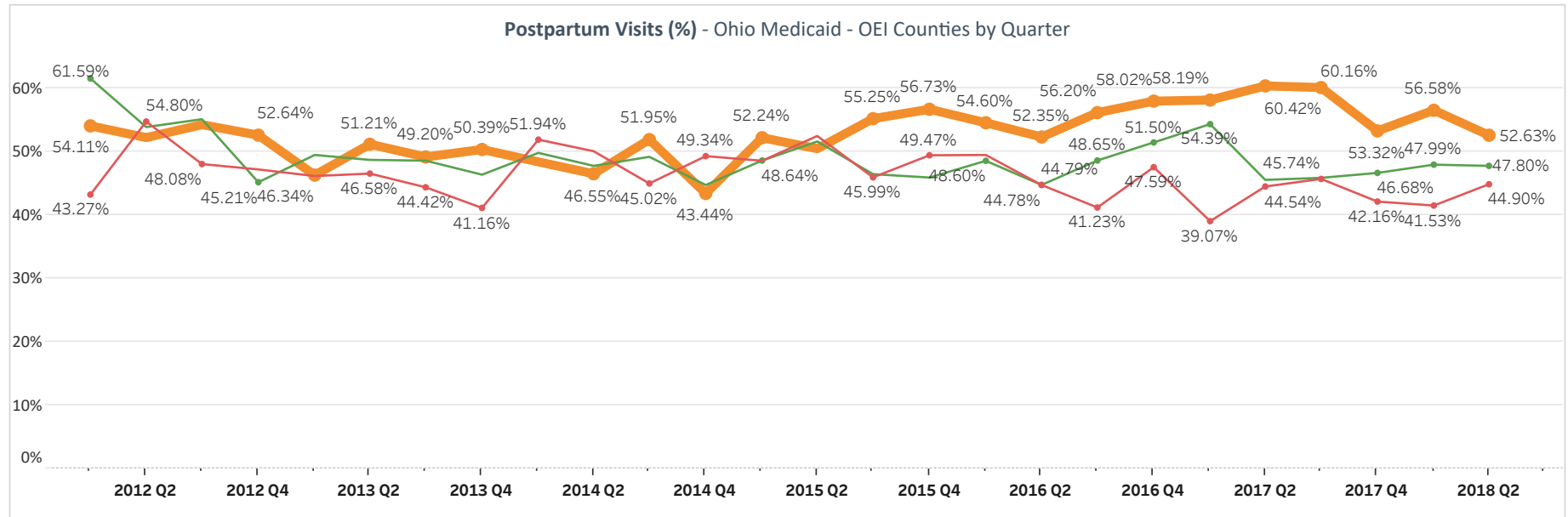
Postpartum Visits (%)

Stark, Butler, Mahoning Counties - Postpartum Visits (%)

Trends by Quarter | CY 2012-2018

Counties

Butler Mahoning Stark

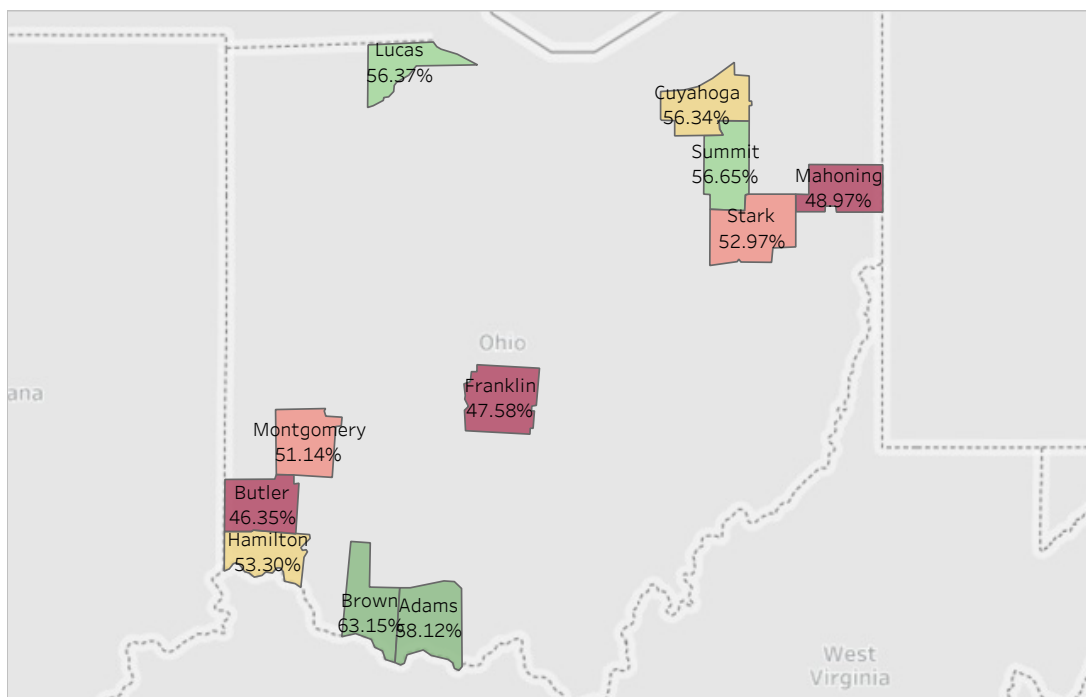


County	Postpartum Aggregate Rate Q1 2012 - Q2 2018	Postpartum Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	46.35%	43.66%	From 889 to 925 Women
Stark	52.97%	55.77%	From 1120 to 1157 Women
Mahoning	48.97%	47.08%	From 719 to 750 Women

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Postpartum Visits (%)

OEI County Quintiles | CY 2012-2018



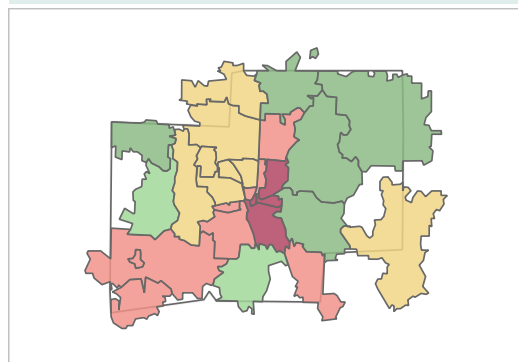
Map Measure Ranges

- $\geq 0 < 48.982\%$
- $\geq 48.982\% < 52.979\%$
- $\geq 52.979\% < 56.359\%$
- $\geq 56.359\% < 58.112\%$
- $\geq 58.112\%$

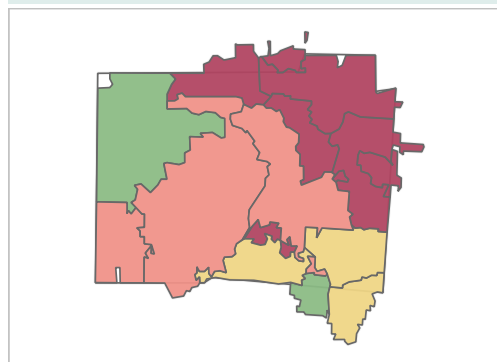
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

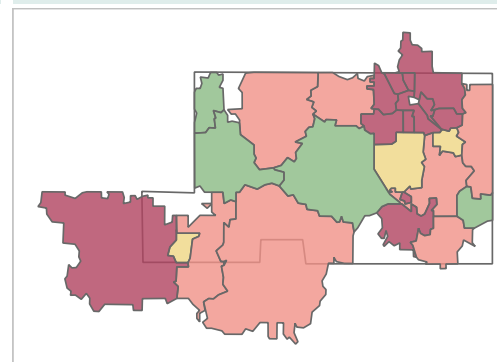
Stark



Butler

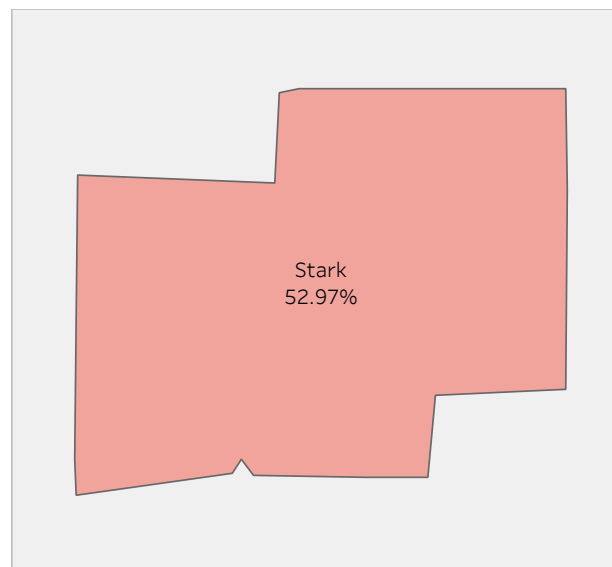
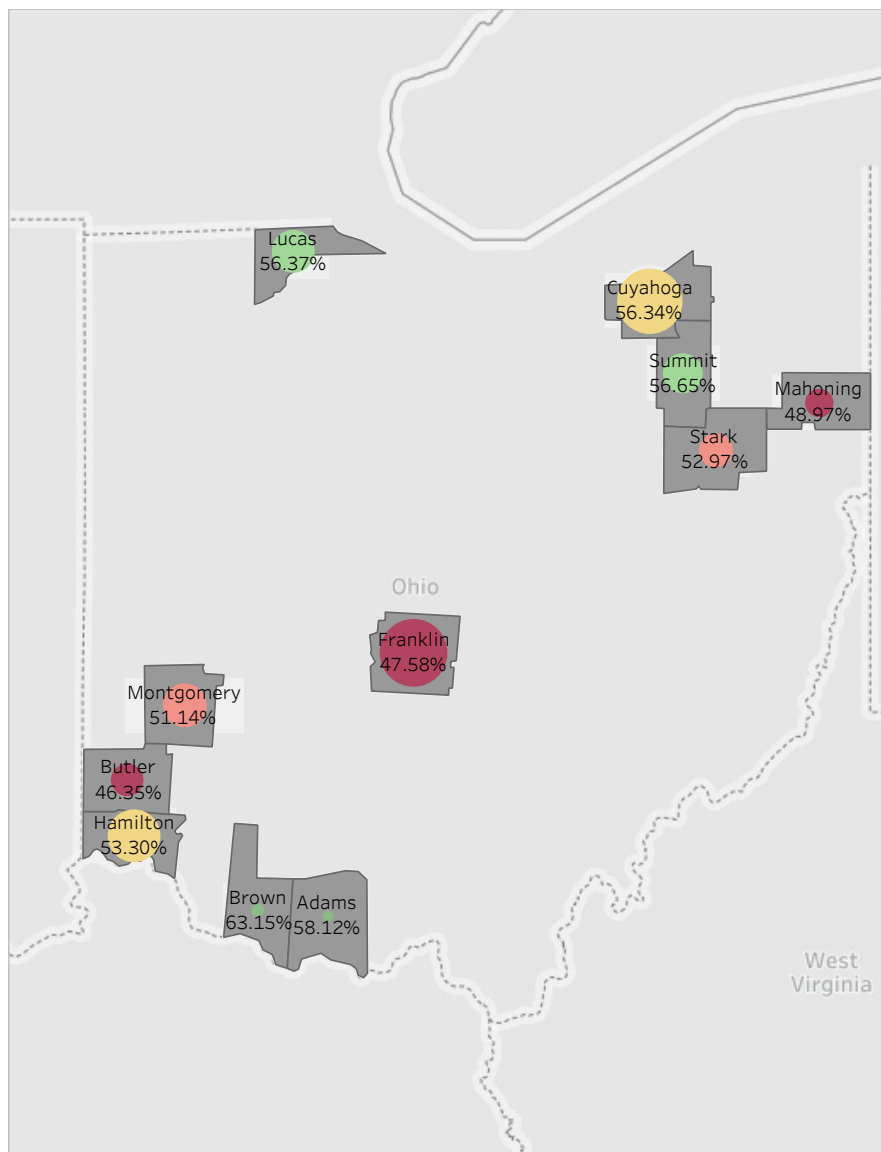


Mahoning



Stark County - Postpartum Visits (%)

OEI Quintiles | CY 2012-2018

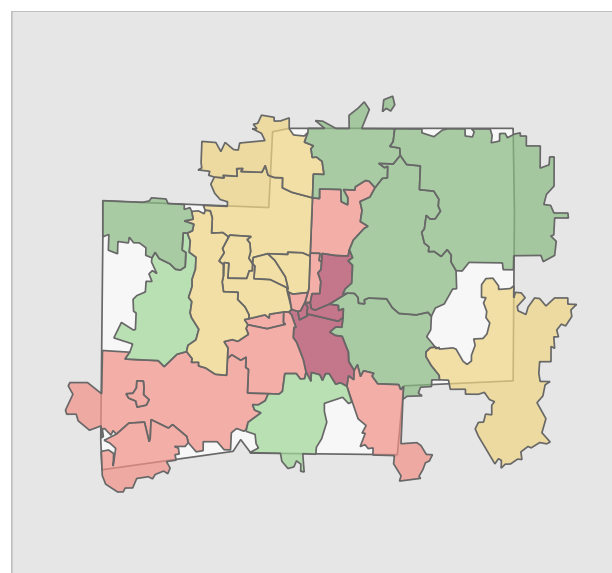


Map Measure Ranges

- $\geq 0 < 48.982\%$
- $\geq 48.982\% < 52.979\%$
- $\geq 52.979\% < 56.359\%$
- $\geq 56.359\% < 58.112\%$
- $\geq 58.112\%$

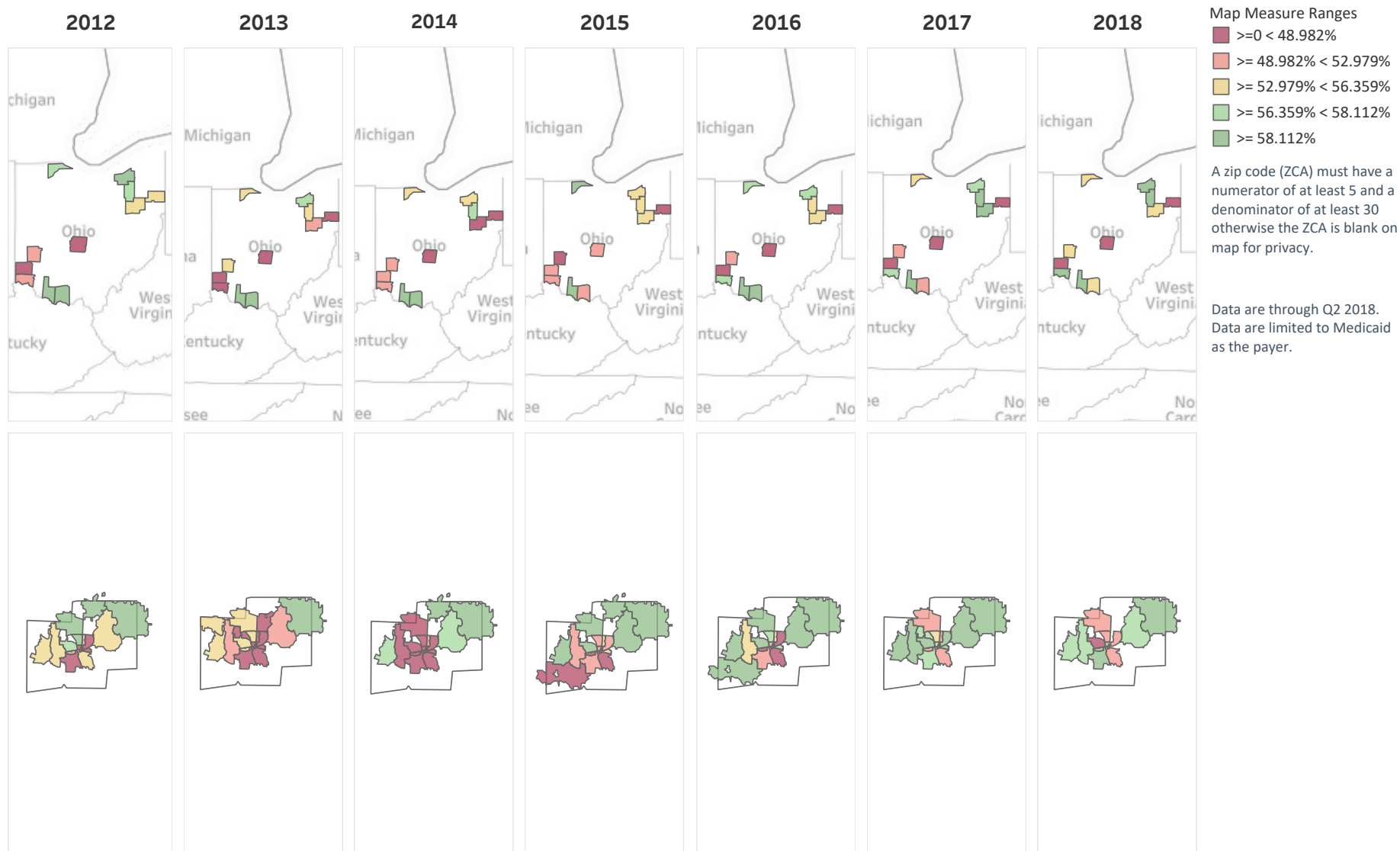
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

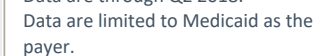


Stark County - Postpartum Visits (%)

OEI Quintiles | CY 2012-2018 Yearly Comparison



Overall Quintiles by County | CY 2012 - 2018

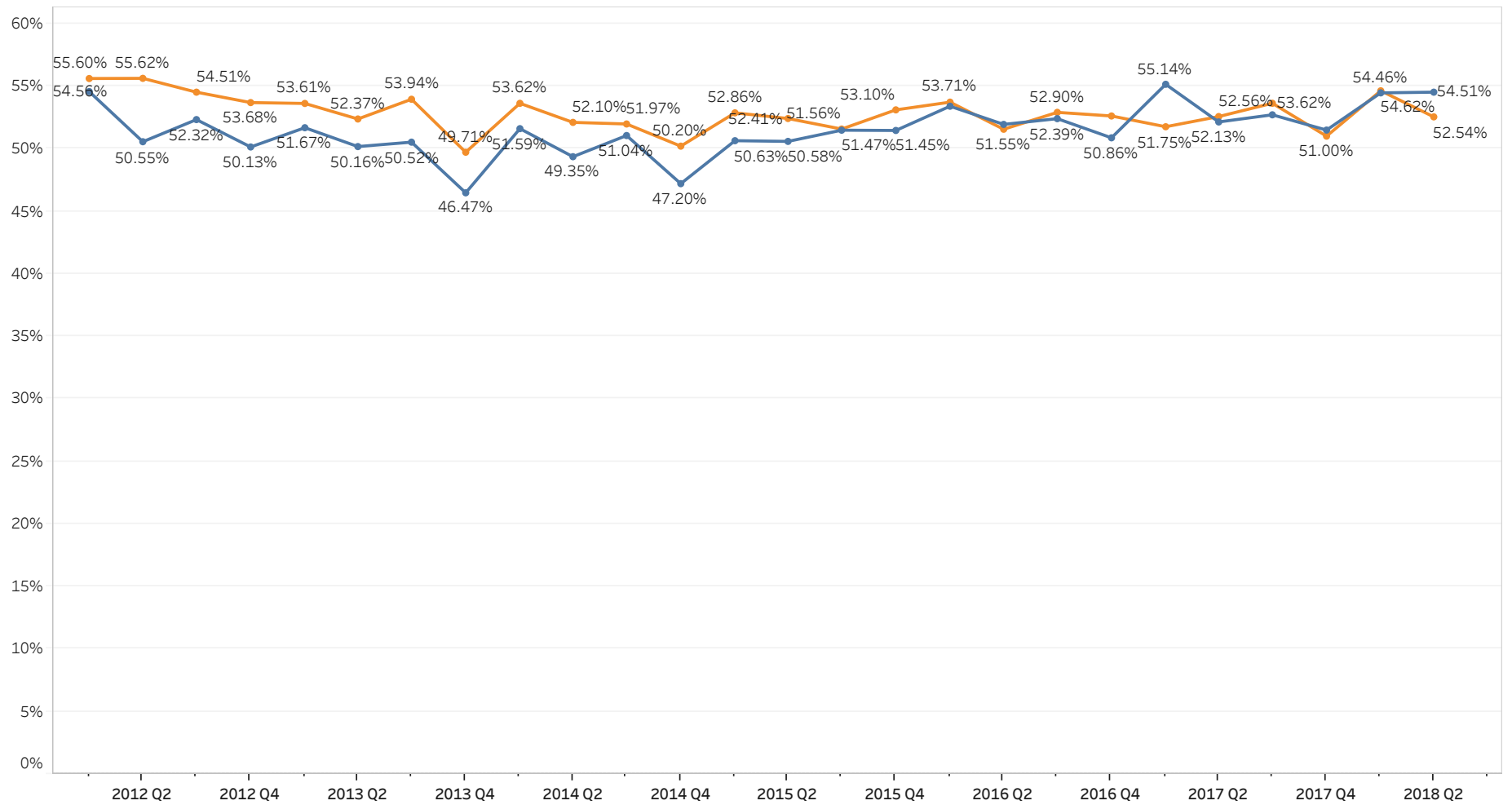




Quarterly Trends by Race - Postpartum Visits (%)

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

Medicaid Plan
All Plans

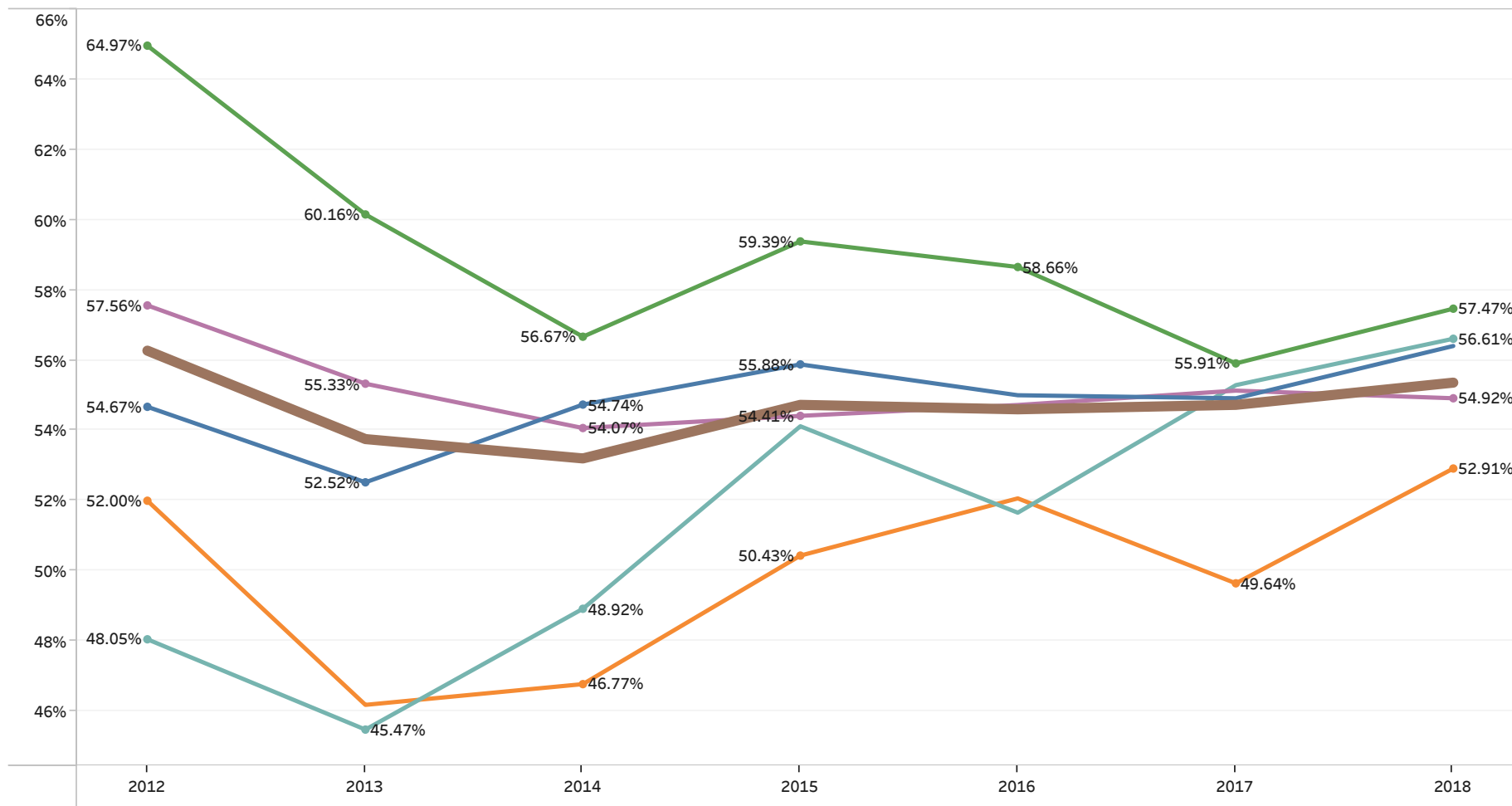
Buckeye

CareSource

Molina

Paramount

United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.



Progesterone Use in High Risk Women (%)



Stark, Butler, Mahoning Counties - Progesterone Use in High Risk Women (%)

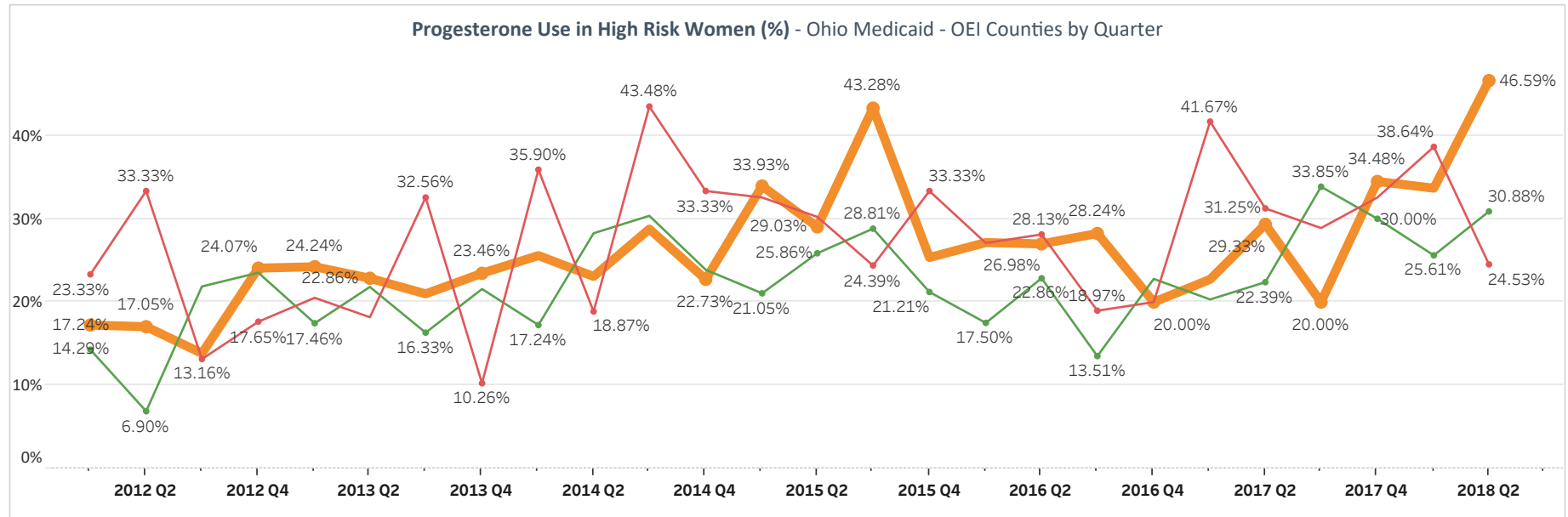
Trends by Quarter | CY 2012-2018

Counties

Butler

Mahoning

Stark

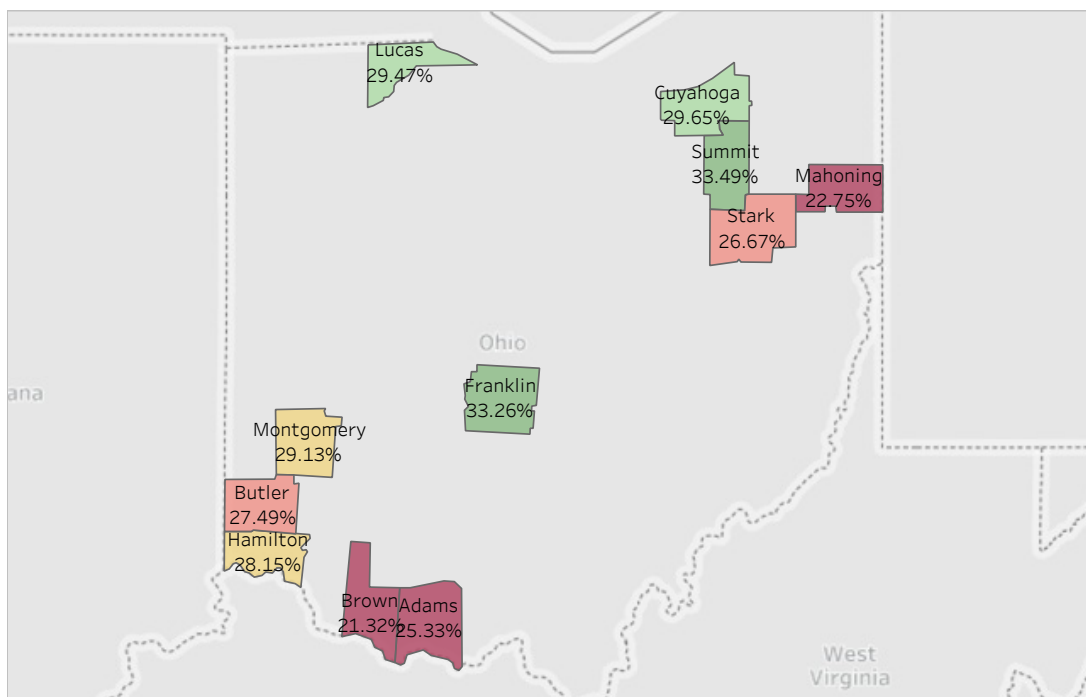


County	Progesterone Aggregate Rate Q1 2012 - Q2 2018	Progesterone Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	27.49%	30.81%	From 53 to 64 Women
Stark	26.67%	34.40%	From 83 to 96 Women
Mahoning	22.75%	29.83%	From 61 to 72 Women

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Progesterone Use in High Risk Women (%)

OEI County Quintiles | CY 2012-2018



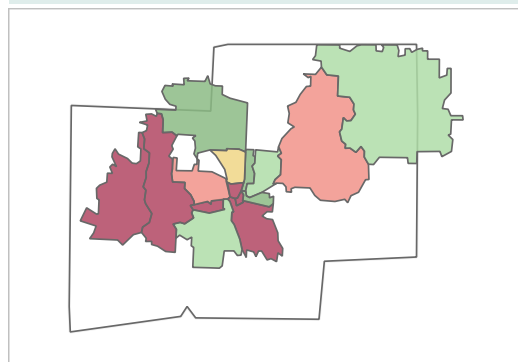
Map Measure Ranges

- $\geq 0 < 25.343\%$
- $\geq 25.343\% < 27.501\%$
- $\geq 27.501\% < 29.457\%$
- $\geq 29.457\% < 33.254\%$
- $\geq 33.254\%$

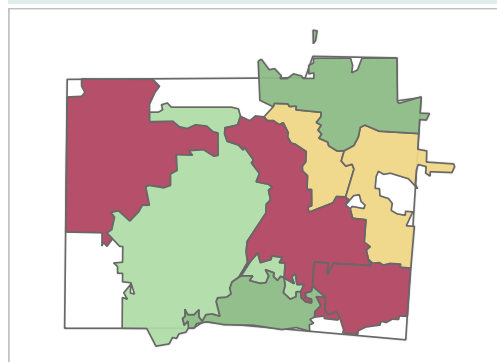
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

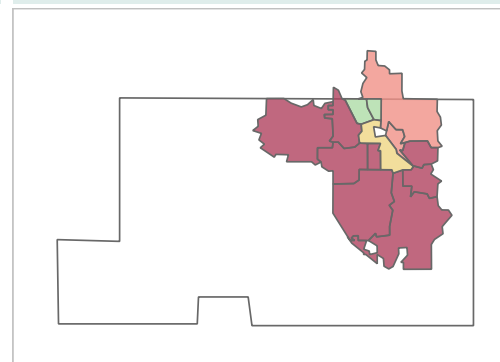
Stark



Butler

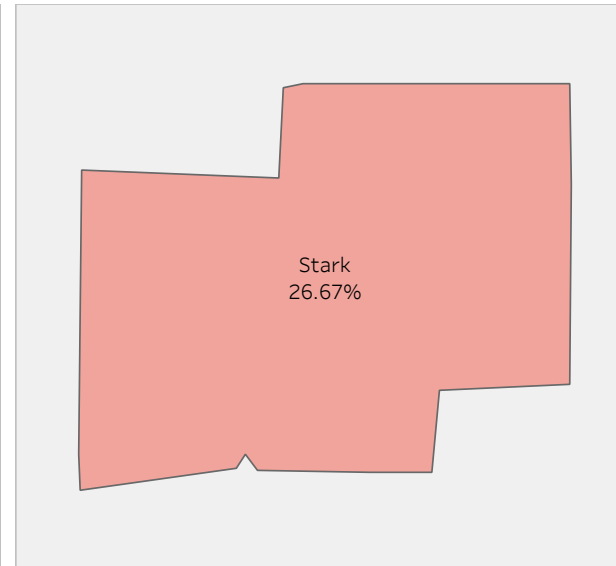
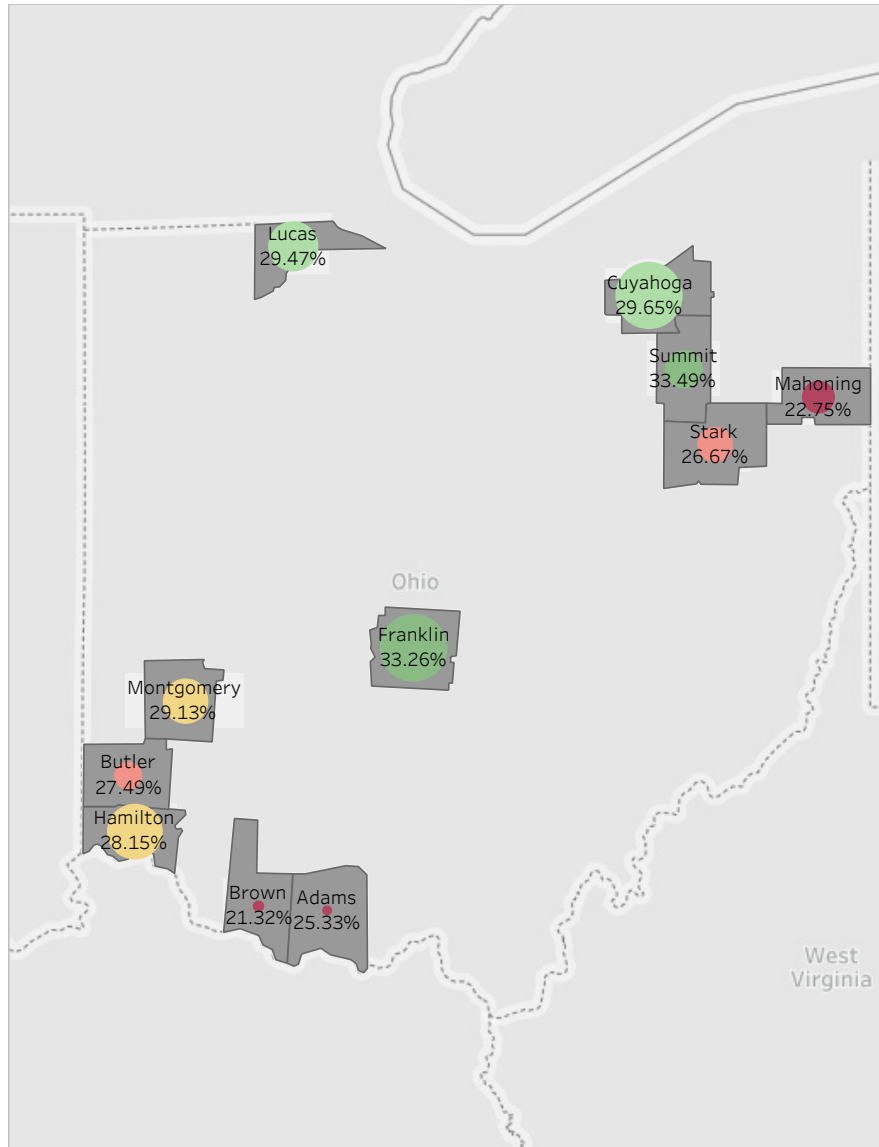


Mahoning



Stark County - Progesterone Use in High Risk Women (%)

OEI Quintiles | CY 2012-2018

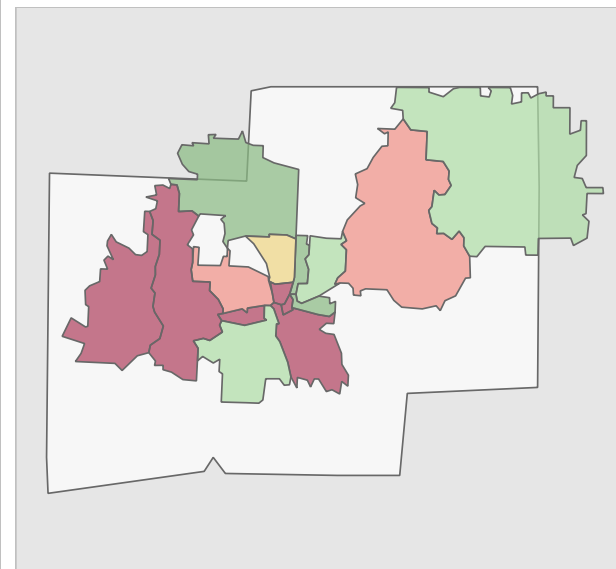


Map Measure Ranges

- >= 0 < 25.343%
- >= 25.343% < 27.501%
- >= 27.501% < 29.457%
- >= 29.457% < 33.254%
- >= 33.254%

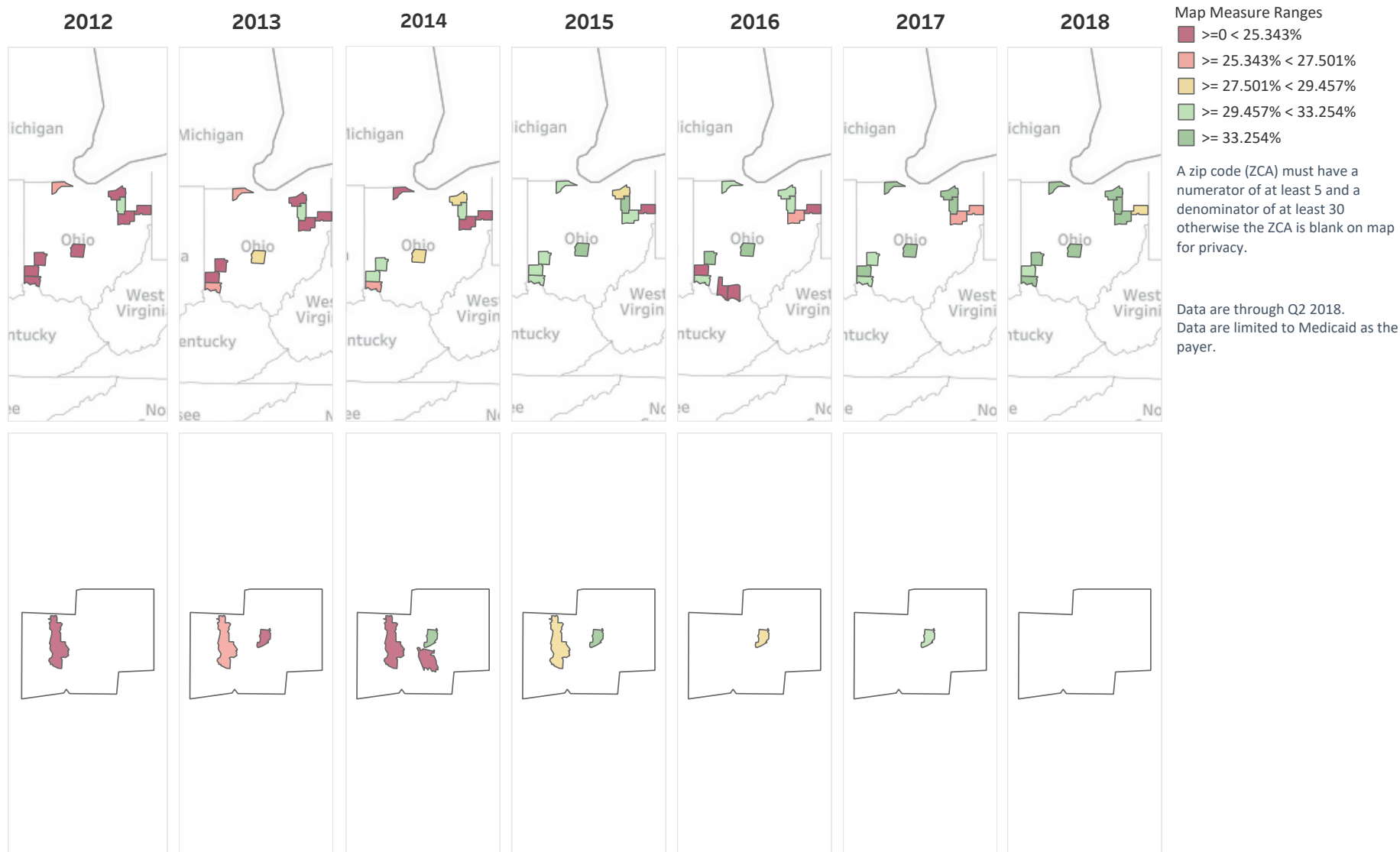
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

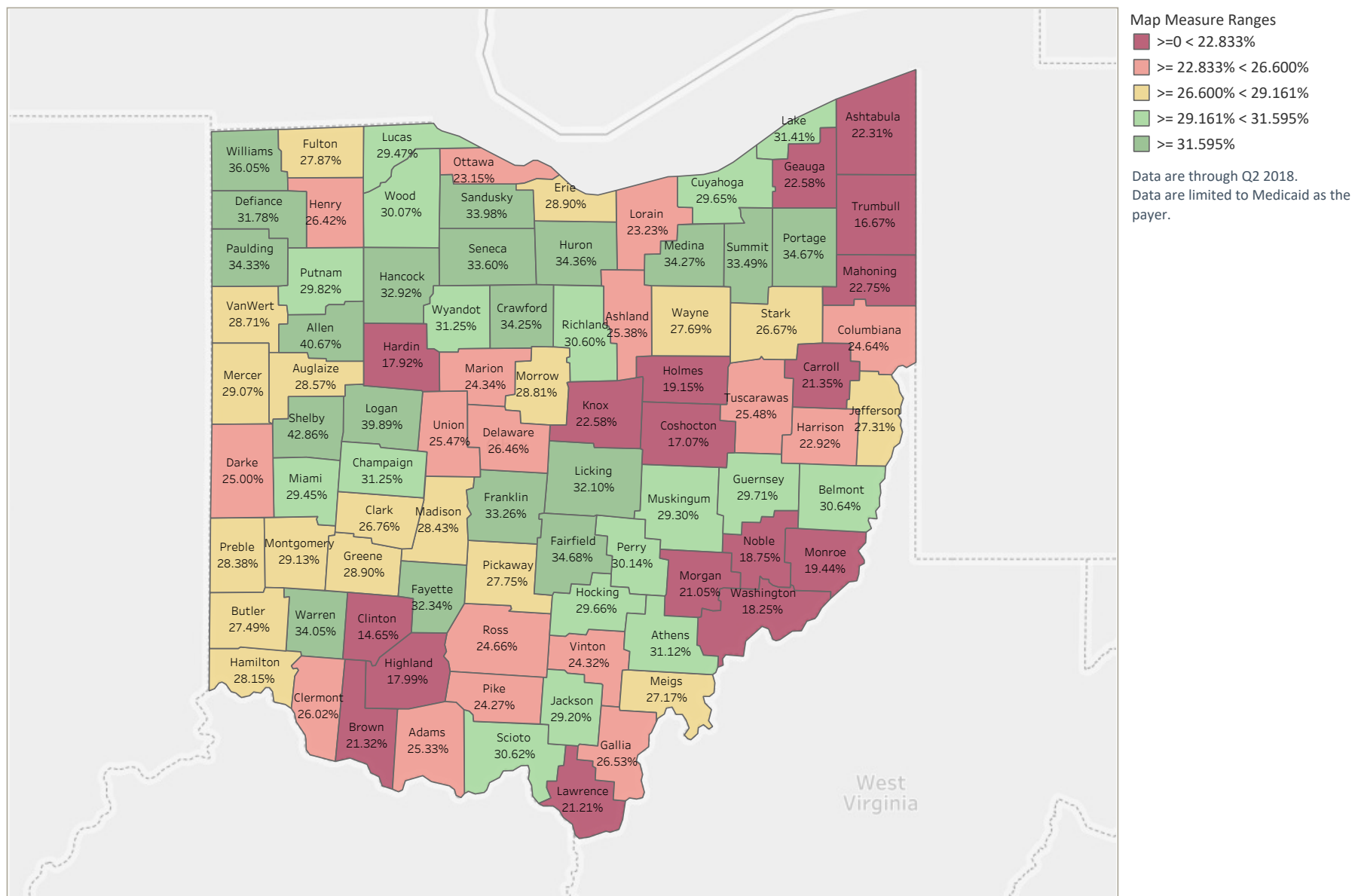


Stark County - Progesterone Use in High Risk Women (%)

OEI Quintiles | CY 2012-2018 Yearly Comparison



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





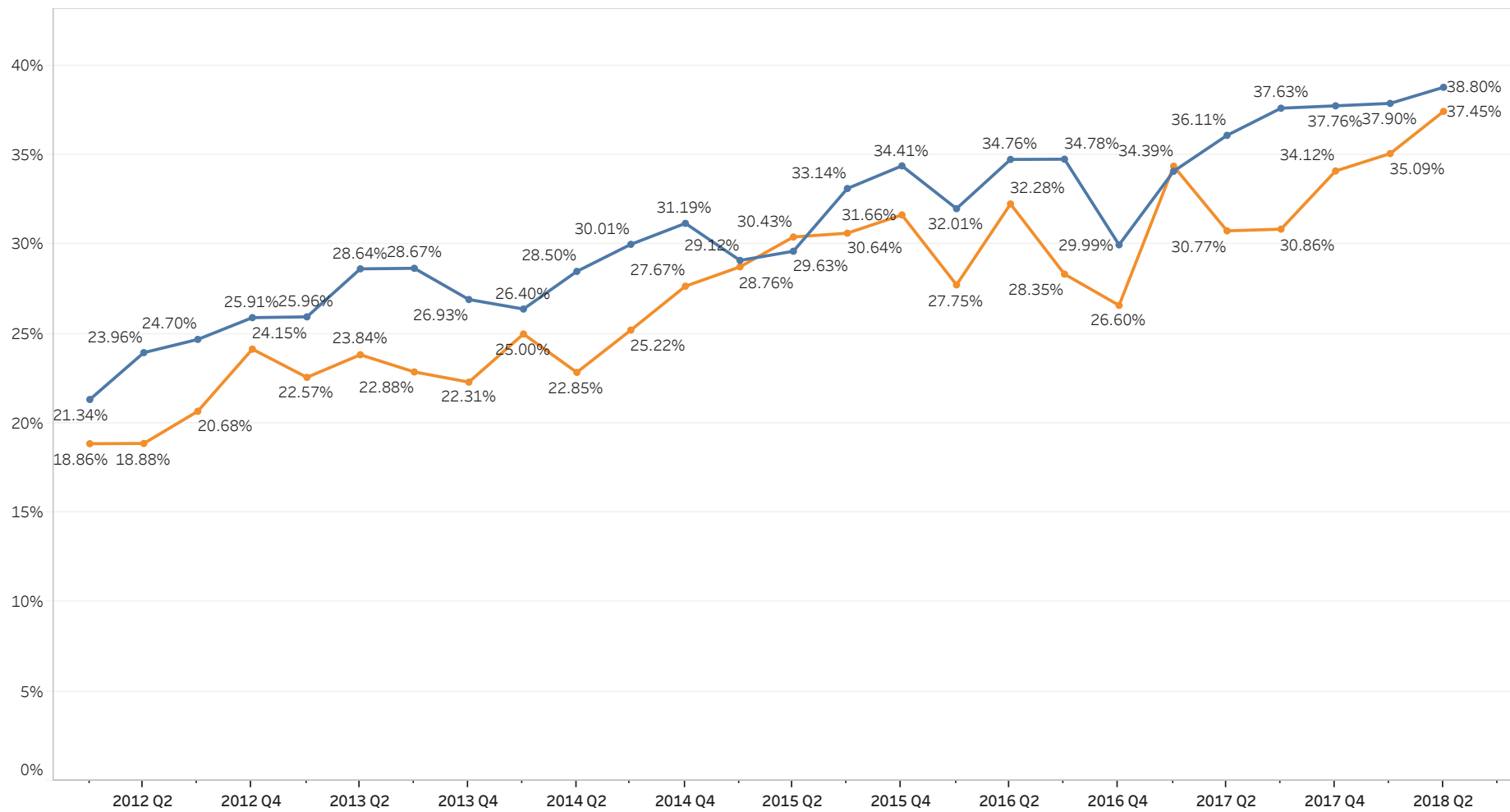
Quarterly Trends by Race - Progesterone Use in High Risk Women (%)

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

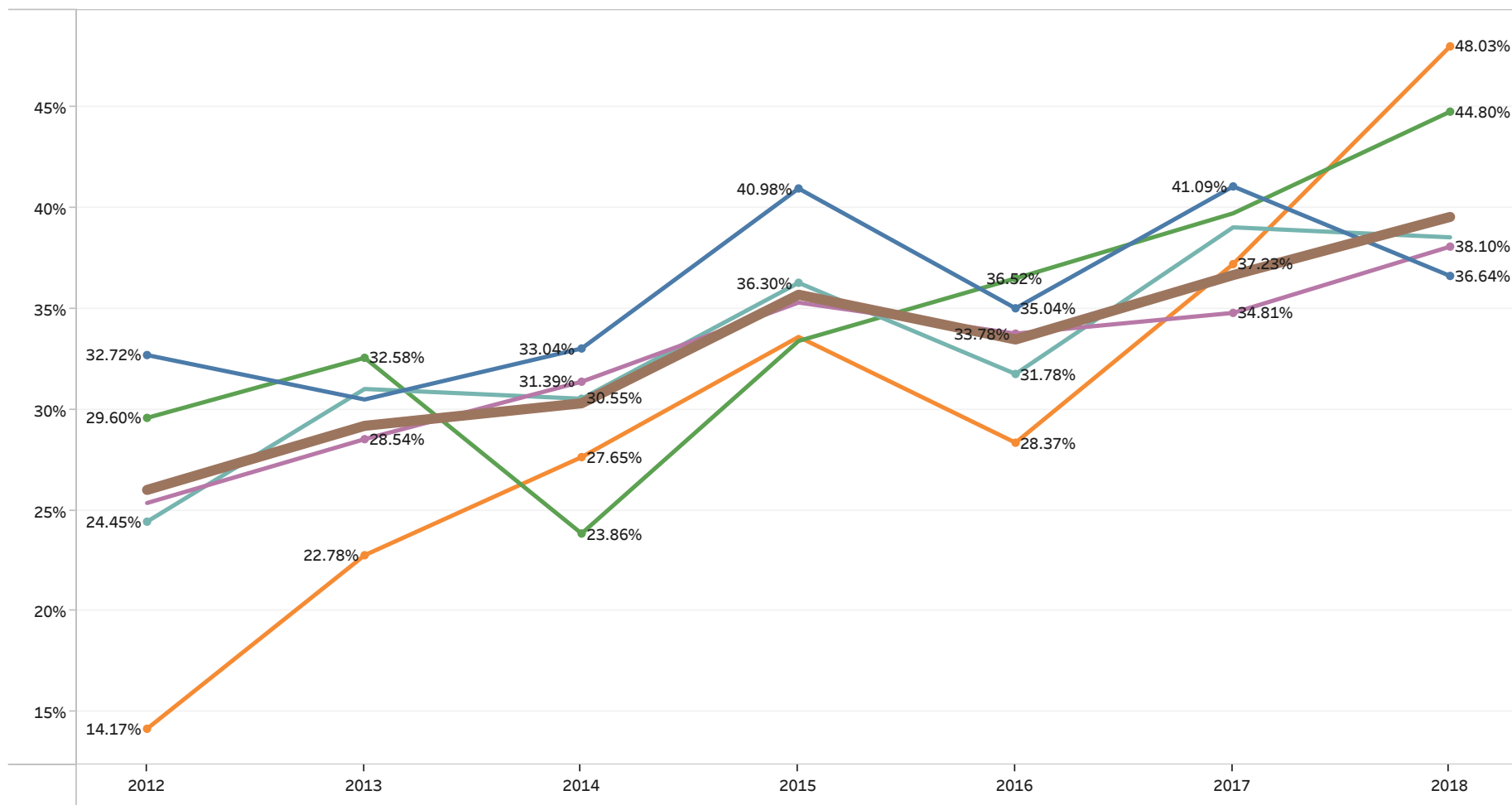
Buckeye

CareSource

Molina

Paramount

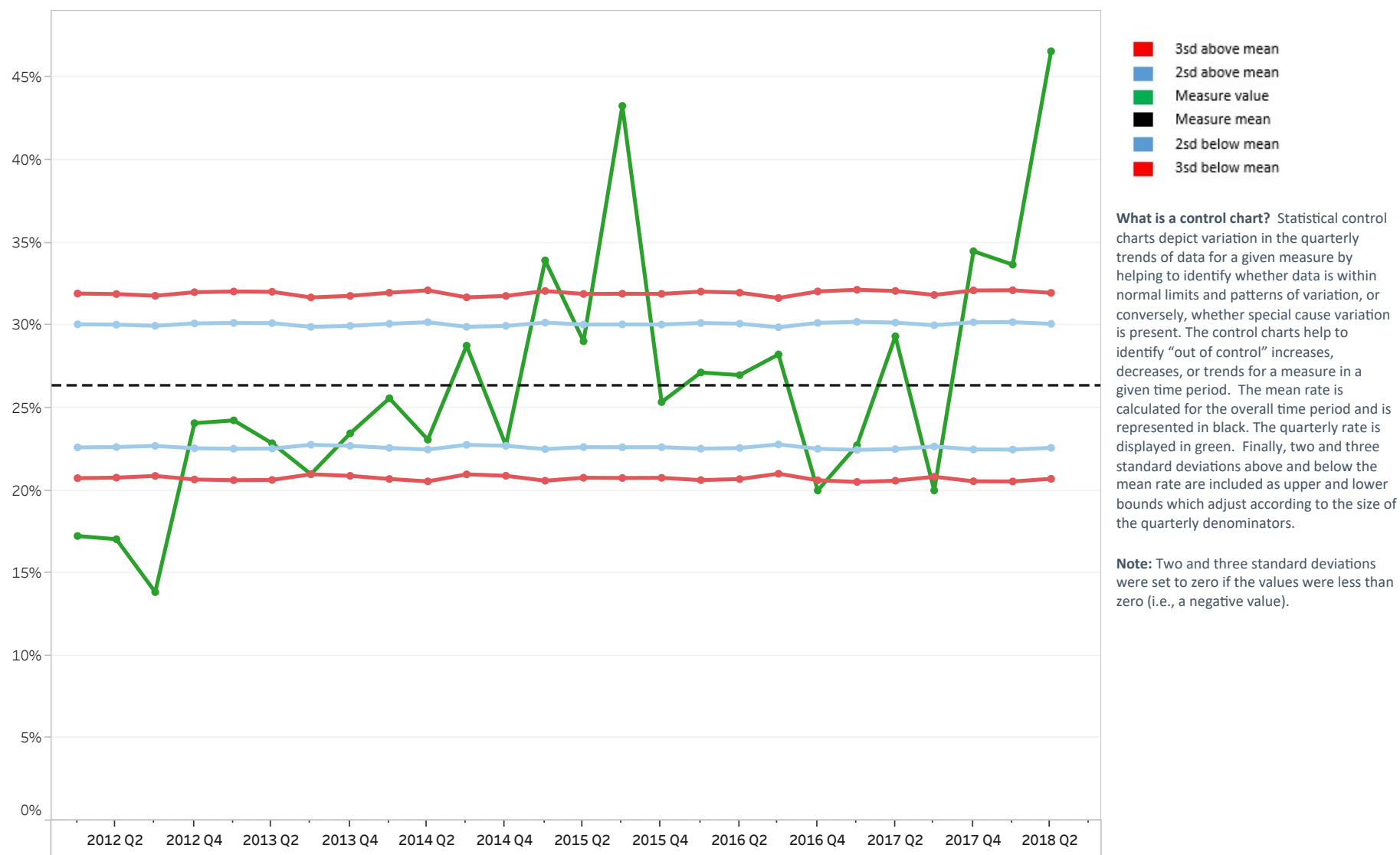
United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.

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



Data are limited to Medicaid as the payer.



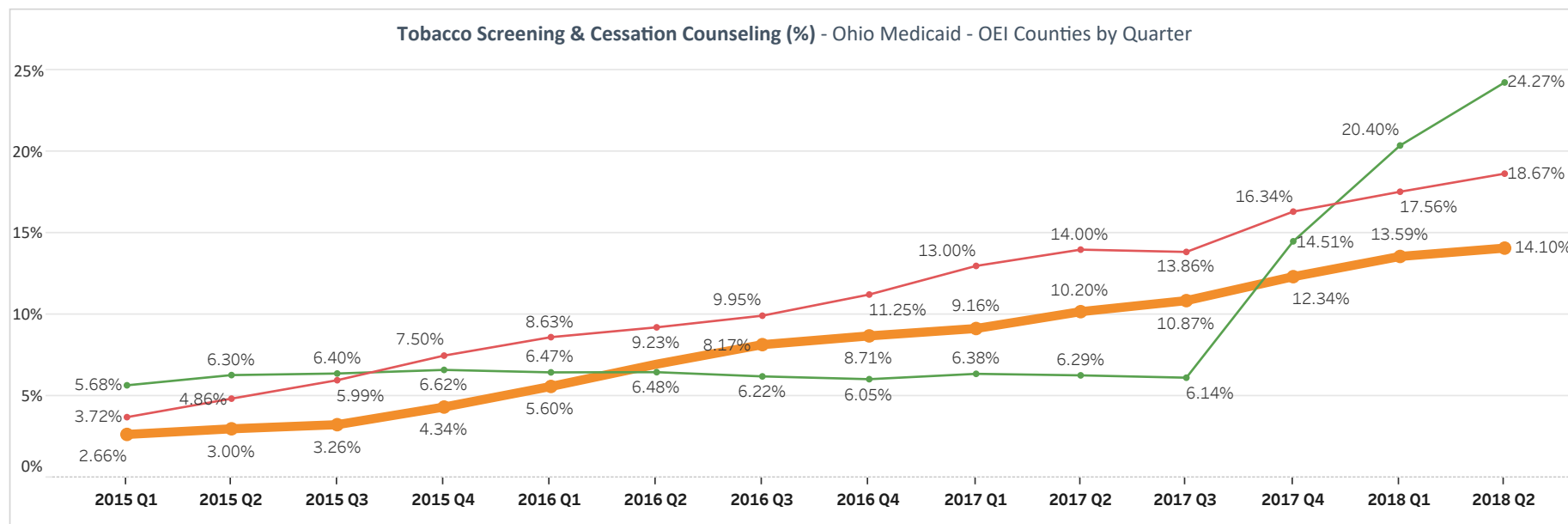
Tobacco Screening & Cessation Counseling (%)

Stark, Butler, Mahoning Counties - Tobacco Screening & Cessation Counseling (%)

Trends by Quarter | CY 2015-2018

Counties

Butler Mahoning Stark

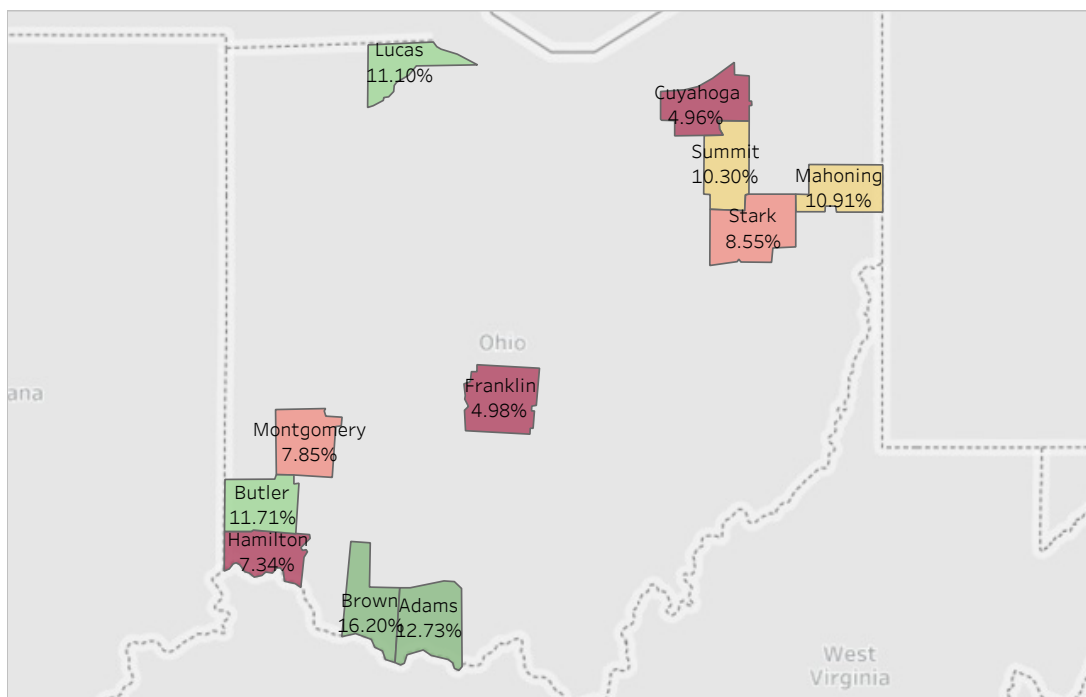


County	Tobacco Screening & Cessation Counseling Aggregate Rate Q1 2015 - Q2 2018	Tobacco Screening & Cessation Counseling Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	11.71%	18.67%	From 2444 to 2521 Women
Stark	8.55%	14.10%	From 1890 to 1958 Women
Mahoning	10.91%	24.27%	From 1995 to 2065 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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.

Stark, Butler, Mahoning Counties - Tobacco Screening & Cessation Counseling (%)

OEI County Quintiles | CY 2015-2018



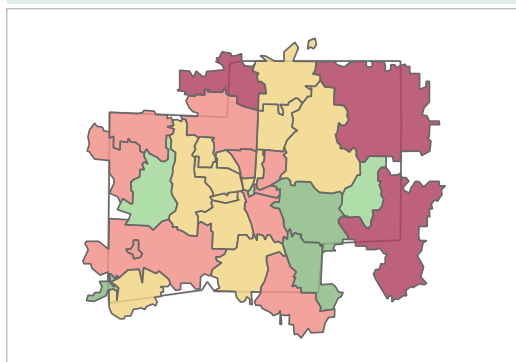
Map Measure Ranges

- $\geq 0 < 7.347\%$
- $\geq 7.347\% < 8.557\%$
- $\geq 8.557\% < 11.093\%$
- $\geq 11.093\% < 12.720\%$
- $\geq 12.720\%$

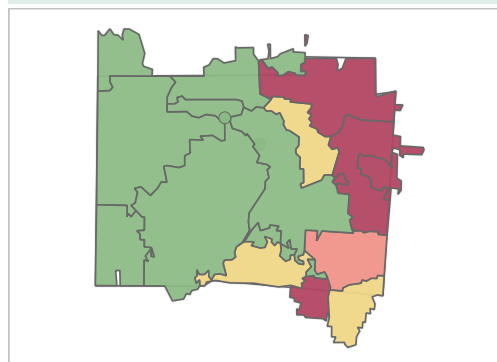
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

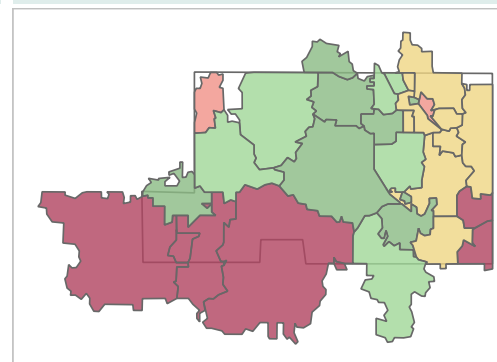
Stark



Butler

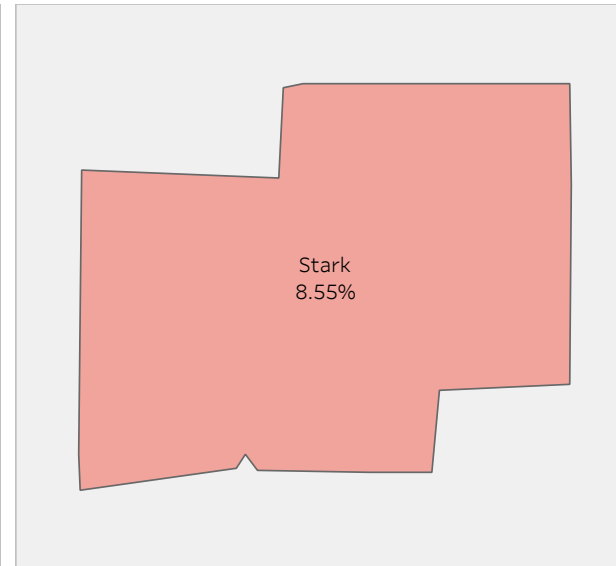
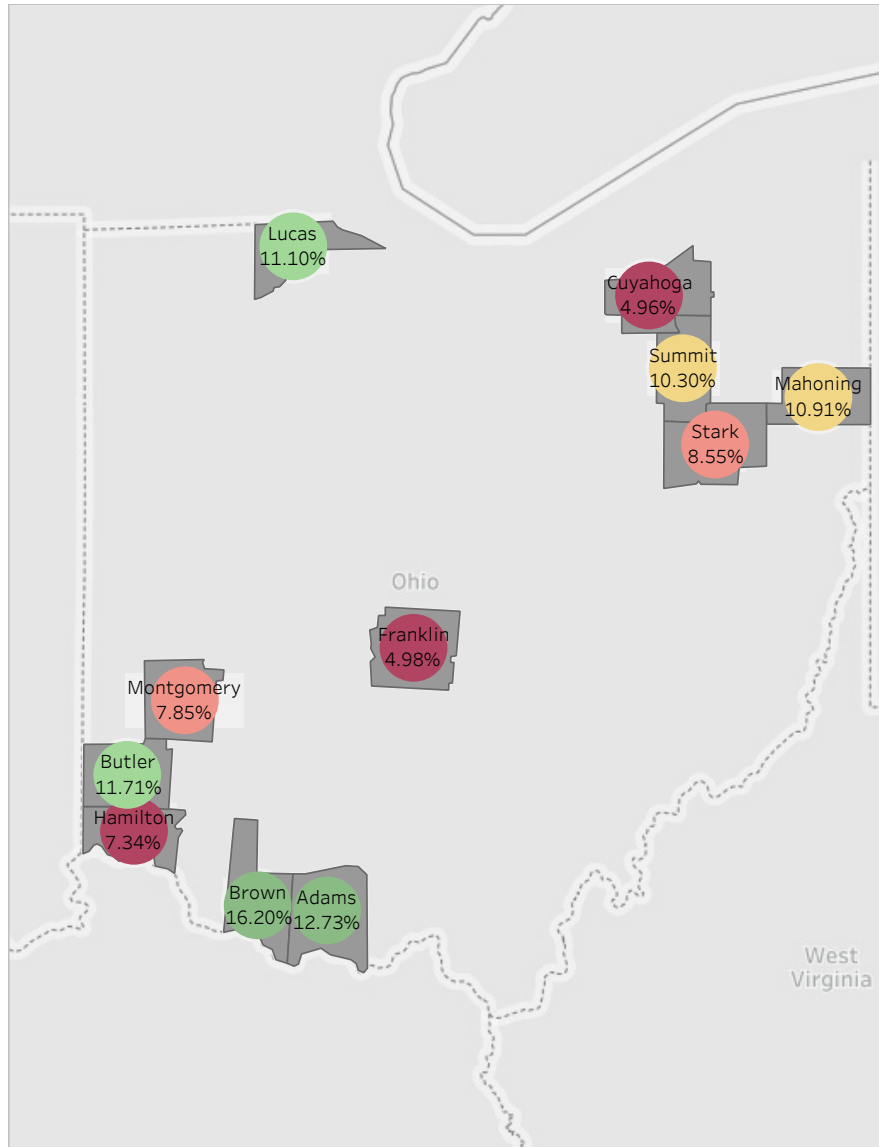


Mahoning



Stark County - Tobacco Screening & Cessation Counseling (%)

OEI Quintiles | CY 2015-2018

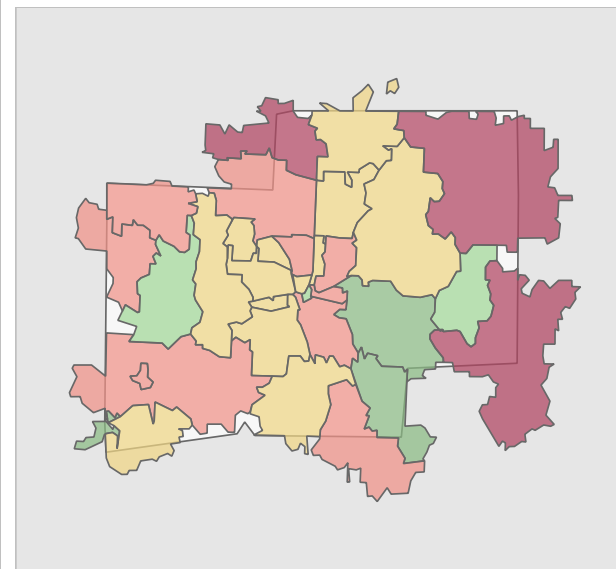


Map Measure Ranges

- $\geq 0 < 7.347\%$
- $\geq 7.347\% < 8.557\%$
- $\geq 8.557\% < 11.093\%$
- $\geq 11.093\% < 12.720\%$
- $\geq 12.720\%$

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.

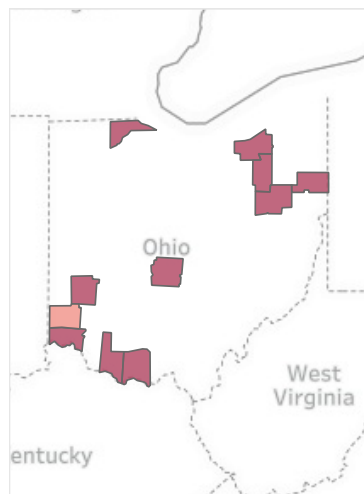
Data are through Q2 2018.
Data are limited to Medicaid as the payer.



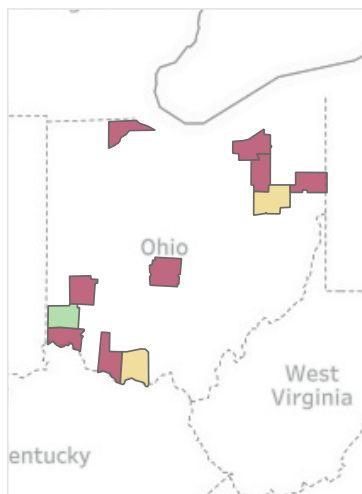
Stark County - Tobacco Screening & Cessation Counseling (%)

OEI Quintiles | CY 2015-2018 Yearly Comparison

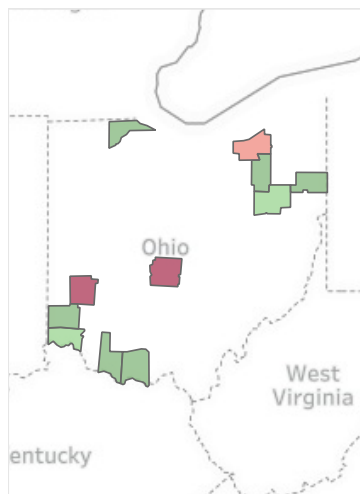
CY 2015



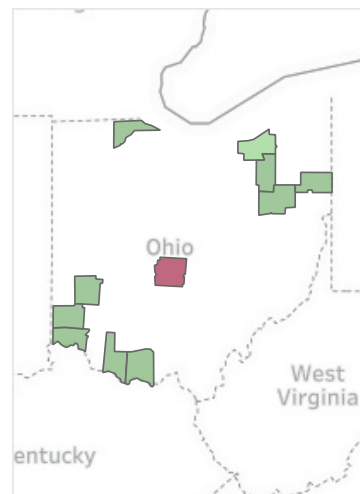
CY 2016



CY 2017



Q2 2018

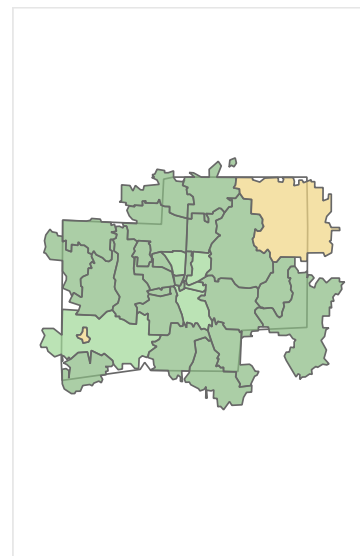
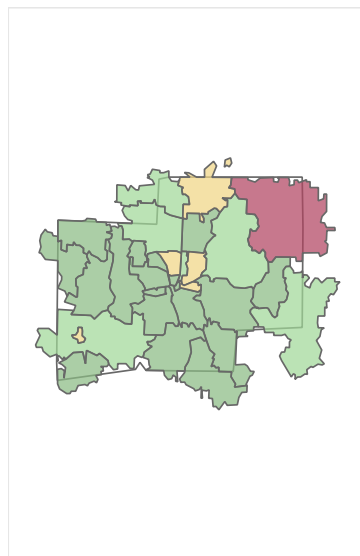
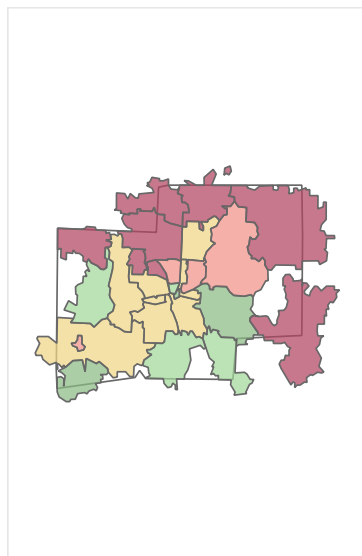
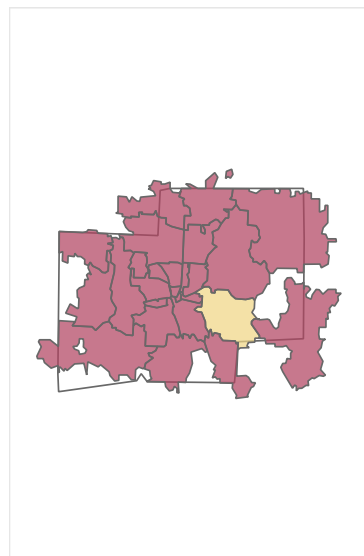


Map Measure Ranges

- $\geq 0 < 7.347\%$
- $\geq 7.347\% < 8.557\%$
- $\geq 8.557\% < 11.093\%$
- $\geq 11.093\% < 12.720\%$
- $\geq 12.720\%$

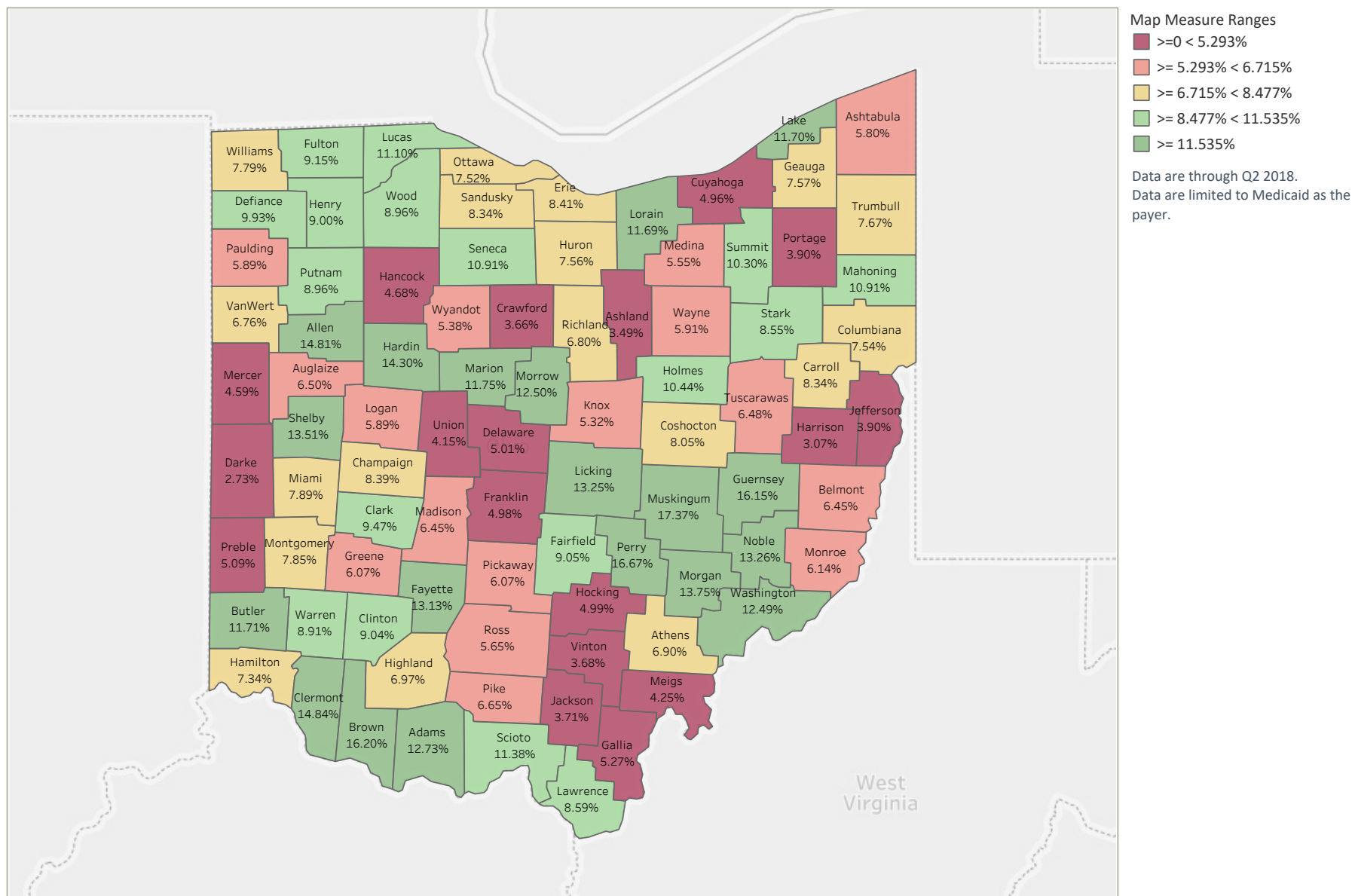
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 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

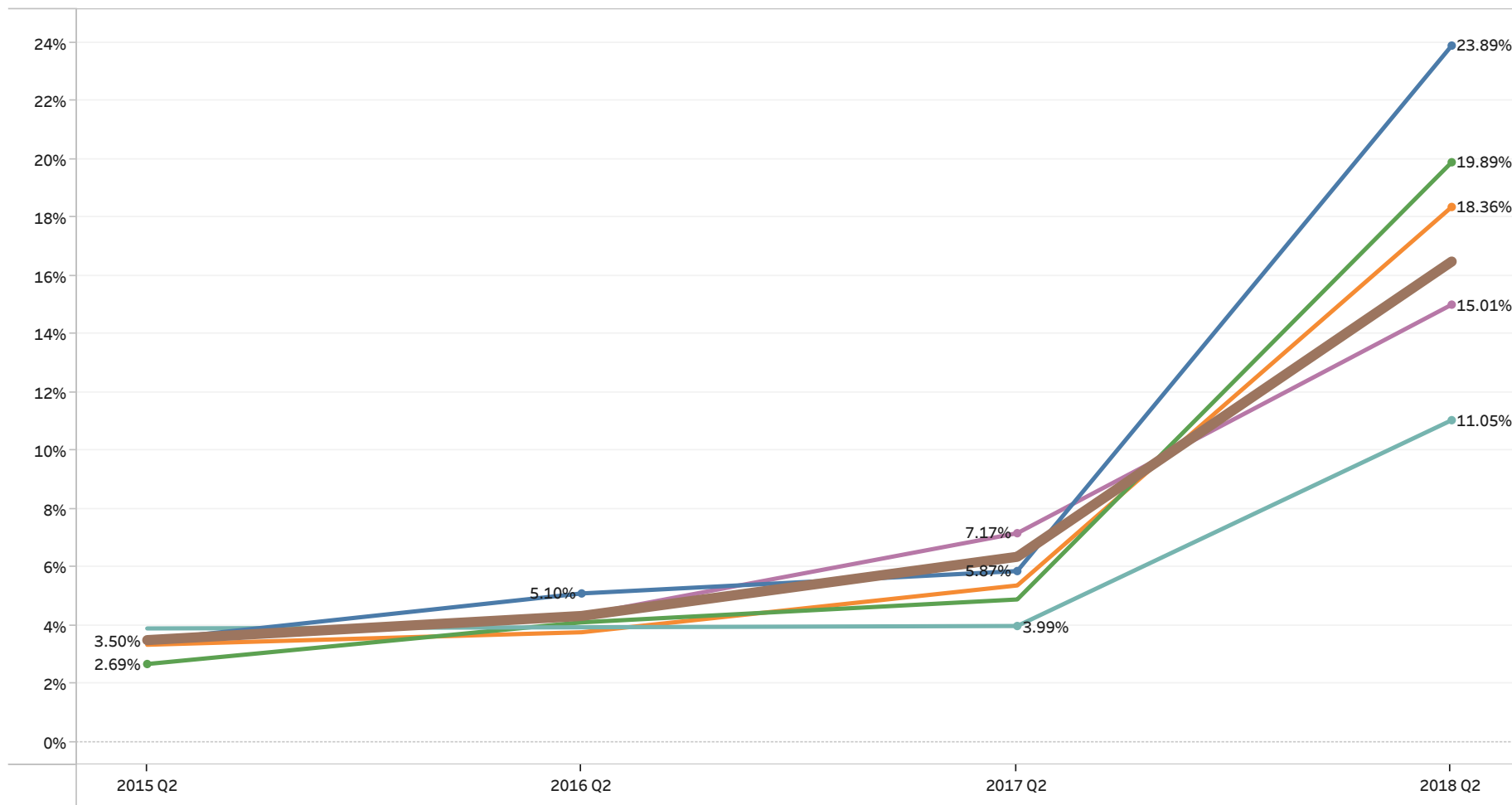
Buckeye

CareSource

Molina

Paramount

United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.



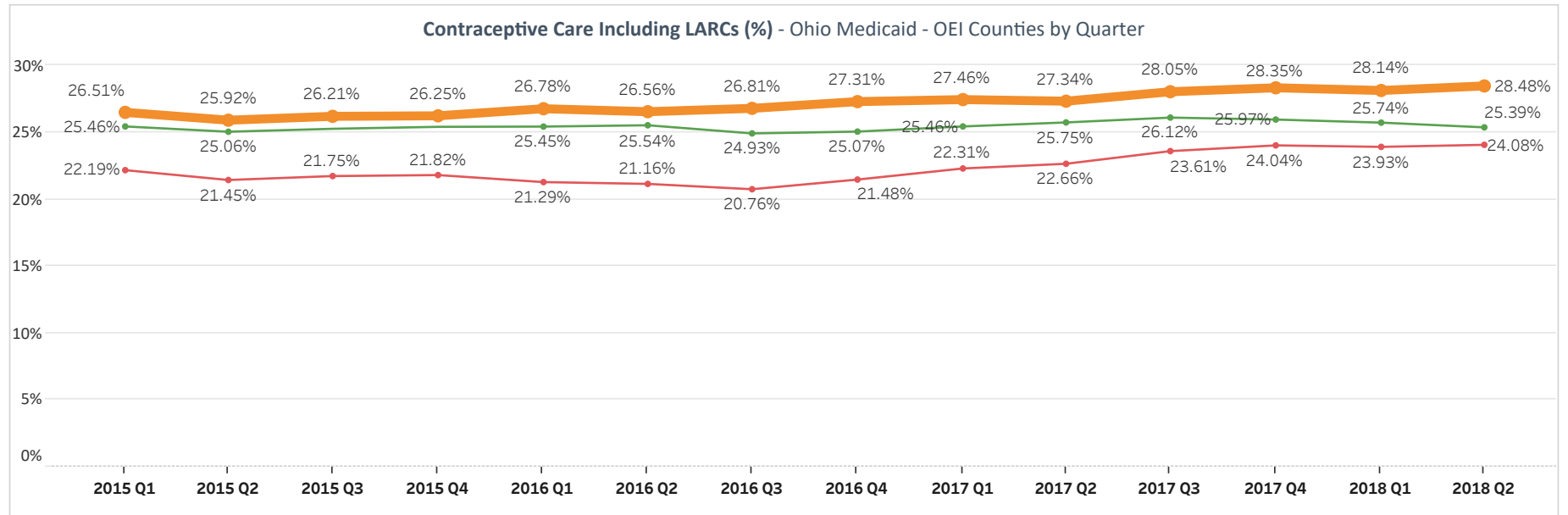
Contraceptive Care Including LARCs (%)

Stark, Butler, Mahoning Counties - Contraceptive Care Including LARCs (%)

Trends by Quarter | CY 2015-2018

Counties

Butler Mahoning Stark



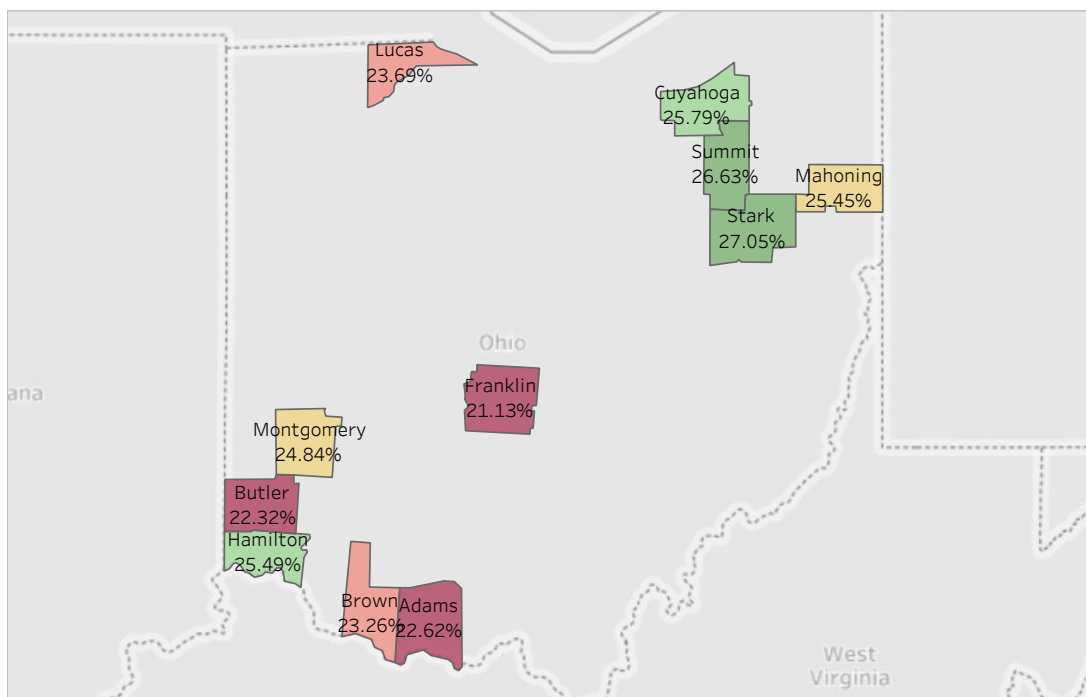
County	Contraceptive Care Including LARCs Aggregate Rate Q1 2015 - Q2 2018	Contraceptive Care Including LARCs Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	22.32%	24.08%	From 4900 to 5001 Women
Stark	27.05%	28.48%	From 6187 to 6298 Women
Mahoning	25.45%	25.39%	From 4846 to 4945 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 – Q2 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 Q2 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).



Stark, Butler, Mahoning Counties - Contraceptive Care Including LARCs (%)

OEI County Quintiles | CY 2015-2018



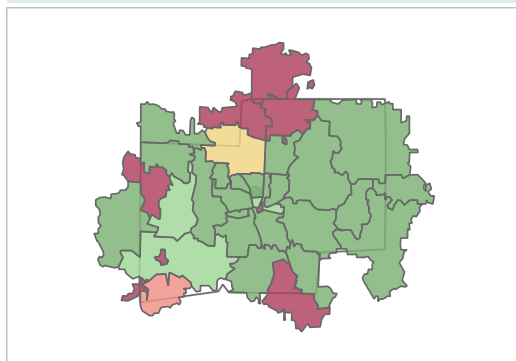
Map Measure Ranges

- $\geq 0 < 22.628\%$
- $\geq 22.628\% < 23.704\%$
- $\geq 23.704\% < 25.475\%$
- $\geq 25.475\% < 26.618\%$
- $\geq 26.618\%$

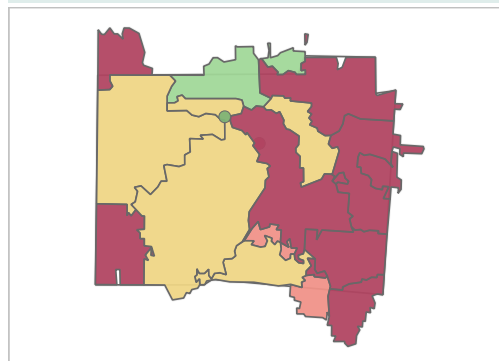
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

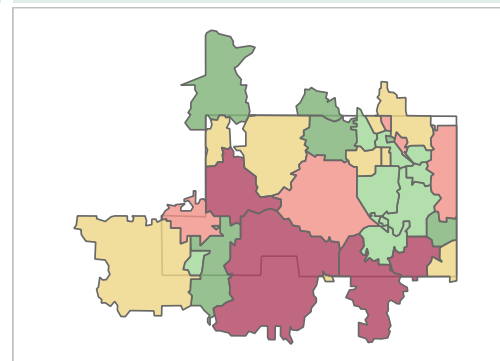
Stark



Butler

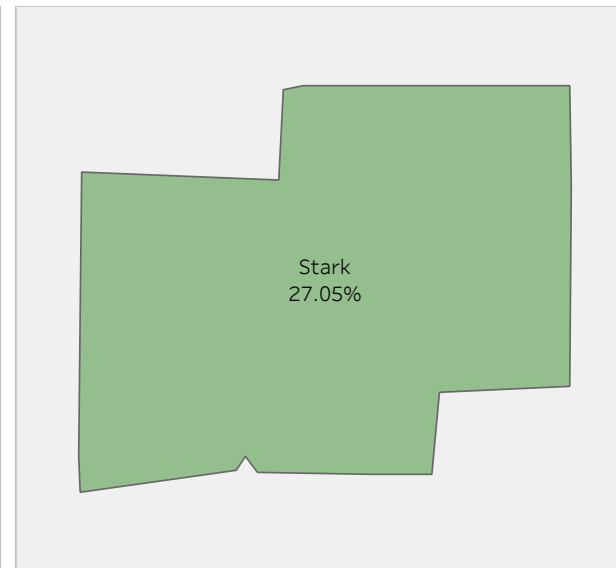
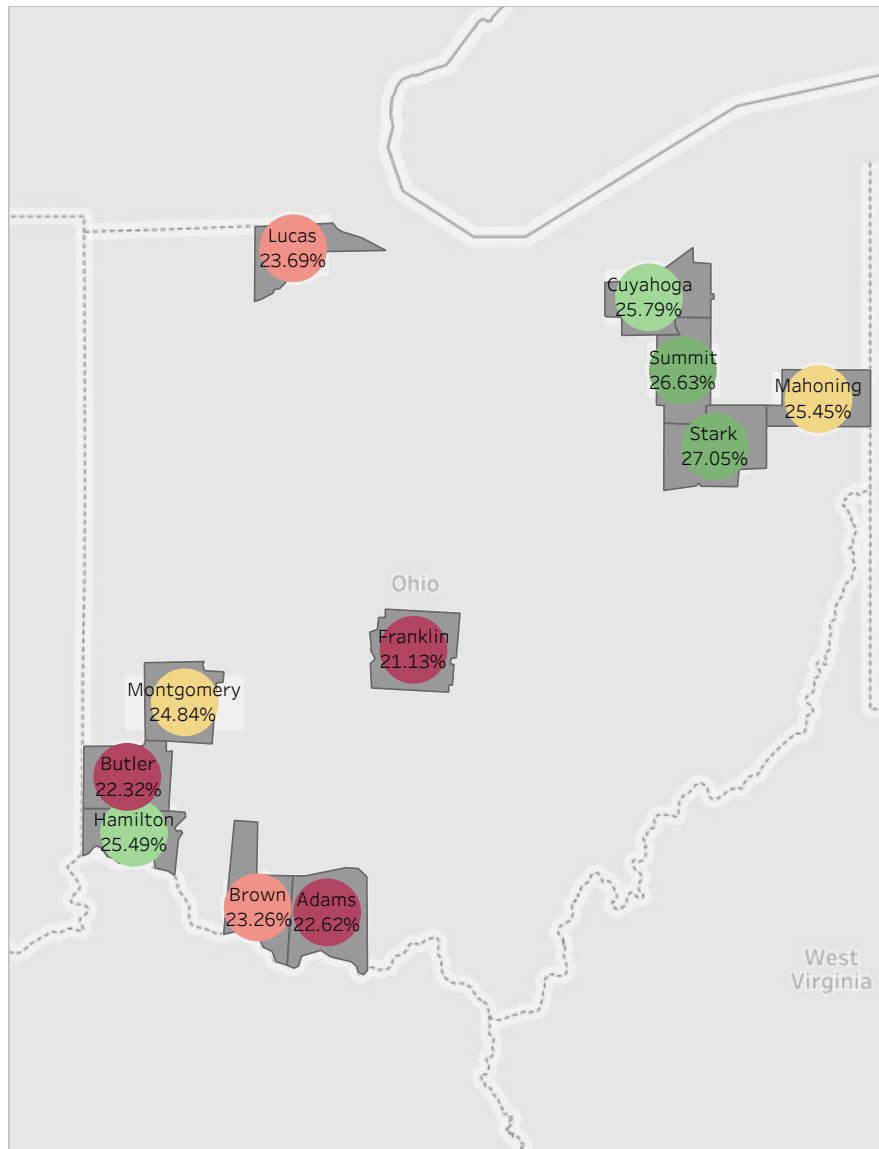


Mahoning



Stark County - Contraceptive Care Including LARCs (%)

OEI Quintiles | CY 2015-2018

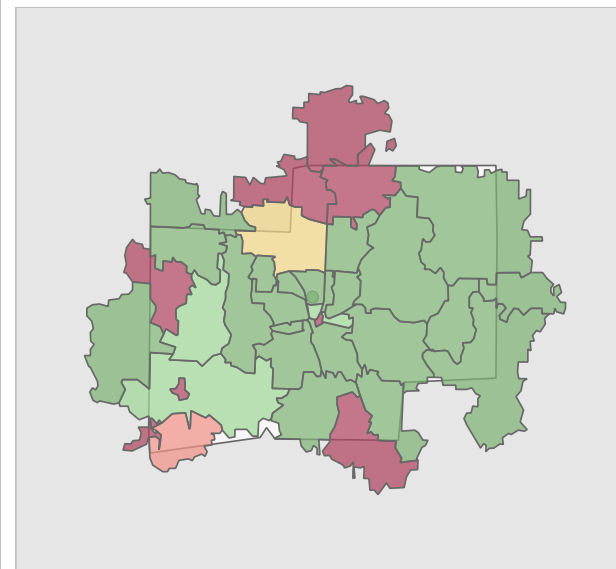


Map Measure Ranges

- >=0 < 22.628%
- >= 22.628% < 23.704%
- >= 23.704% < 25.475%
- >= 25.475% < 26.618%
- >= 26.618%

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.

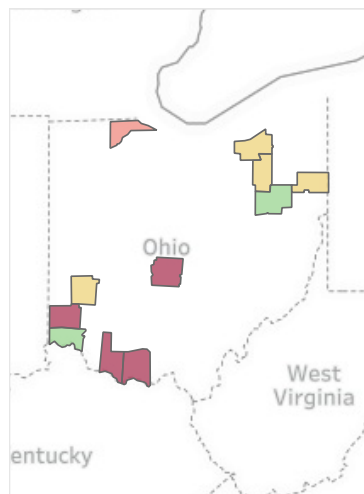
Data are through Q2 2018.
Data are limited to Medicaid as the payer.



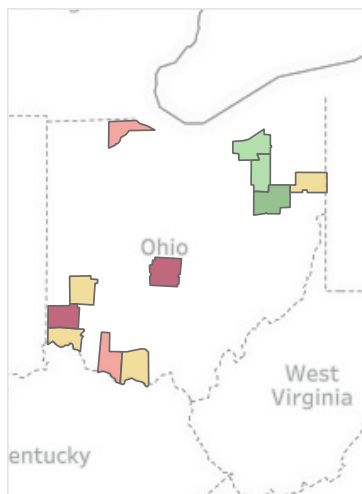
Stark County - Contraceptive Care Including LARCs (%)

OEI Quintiles | CY 2015-2018 Yearly Comparison

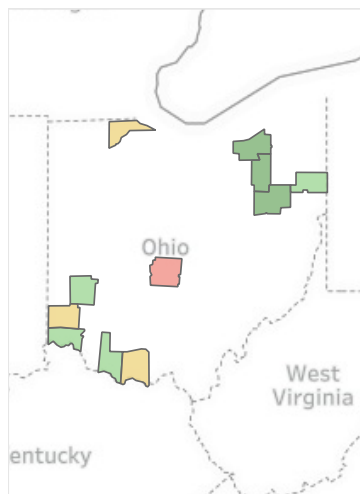
CY 2015



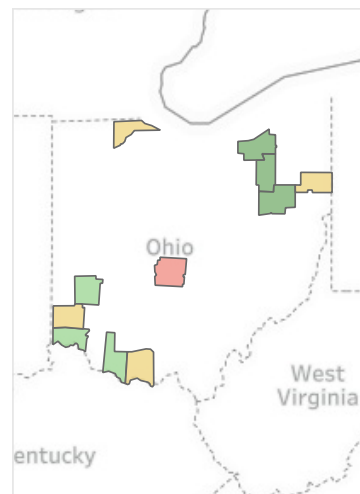
CY 2016



CY 2017



Q2 2018

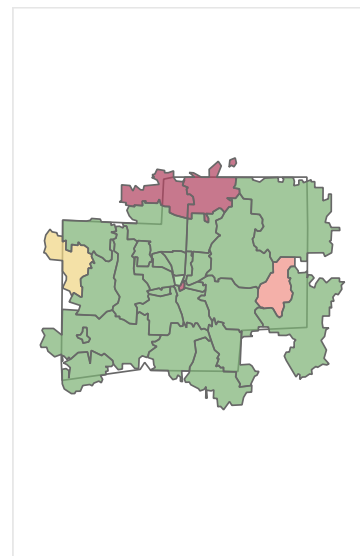
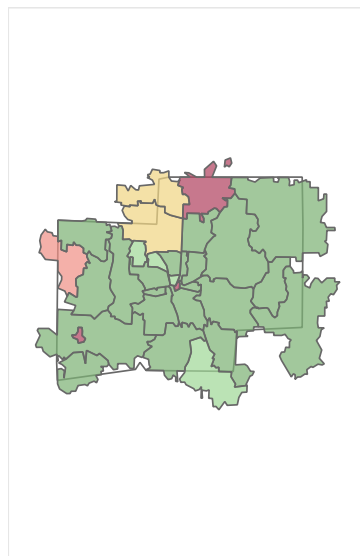
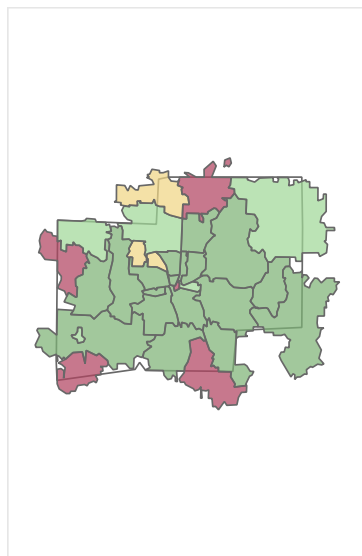
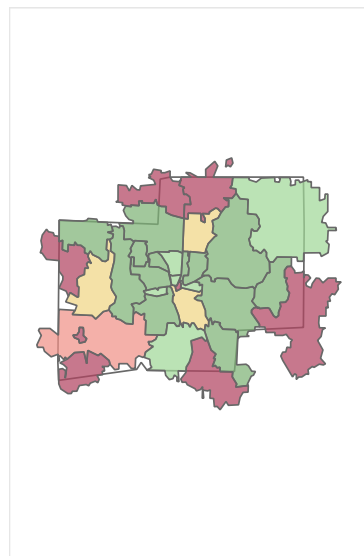


Map Measure Ranges

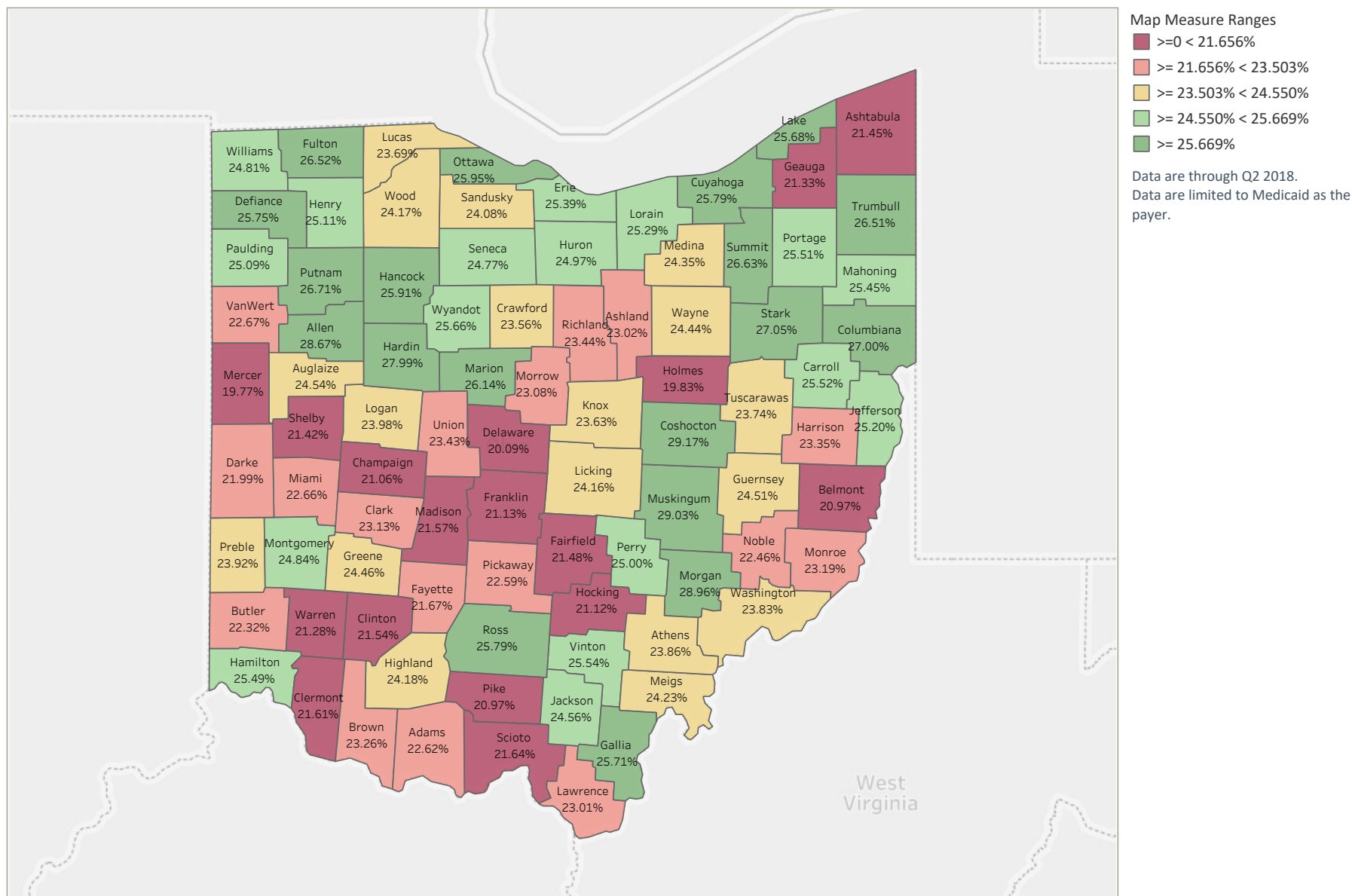
- $\geq 0 < 22.628\%$
- $\geq 22.628\% < 23.704\%$
- $\geq 23.704\% < 25.475\%$
- $\geq 25.475\% < 26.618\%$
- $\geq 26.618\%$

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 Q2 2018.
Data are limited to Medicaid as the payer.

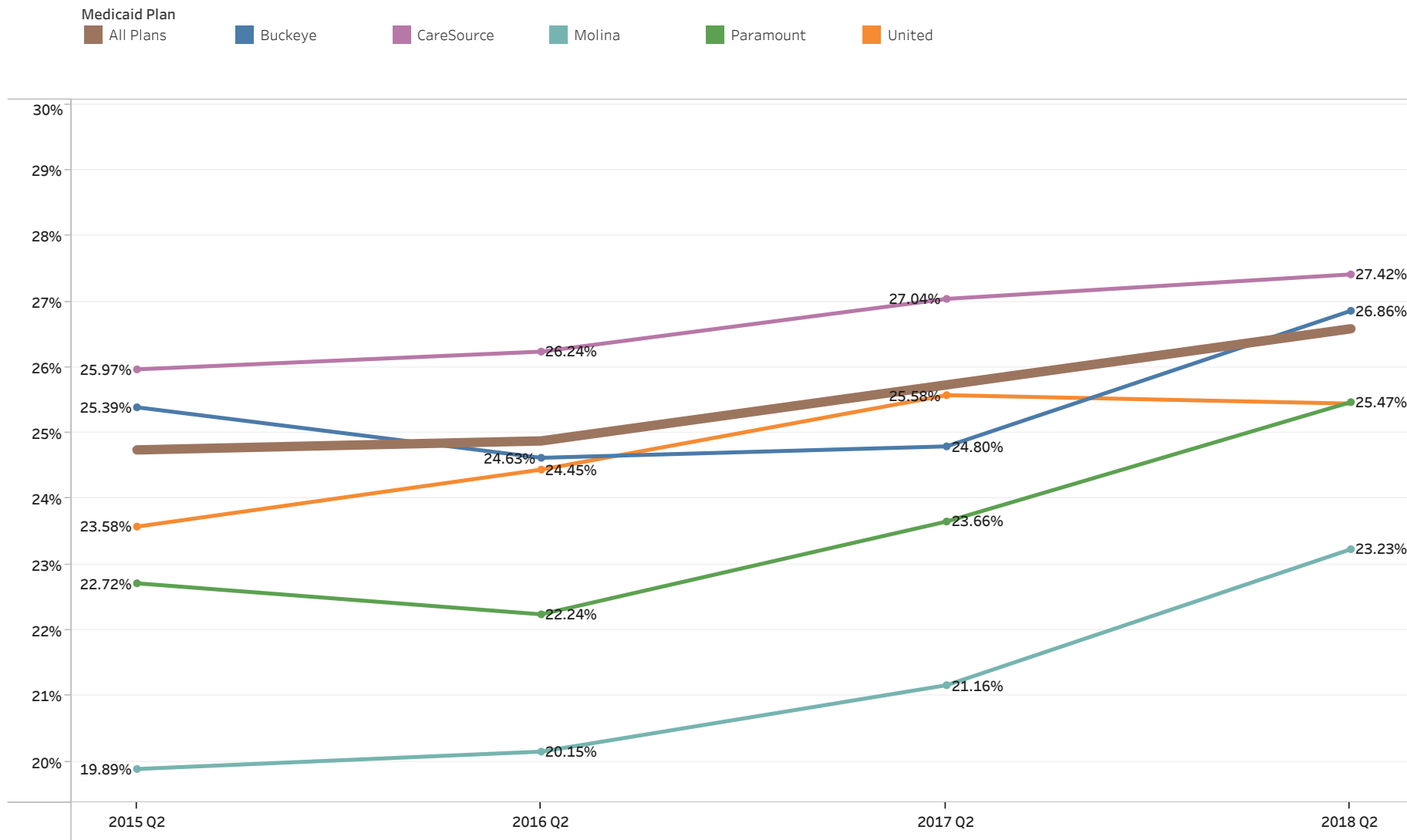


Statewide - Contraceptive Care Including LARCs (%)
Overall Quintiles by County | CY 2015 - 2018





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



Data are through Q2 2018.

Data are limited to Medicaid as the payer.



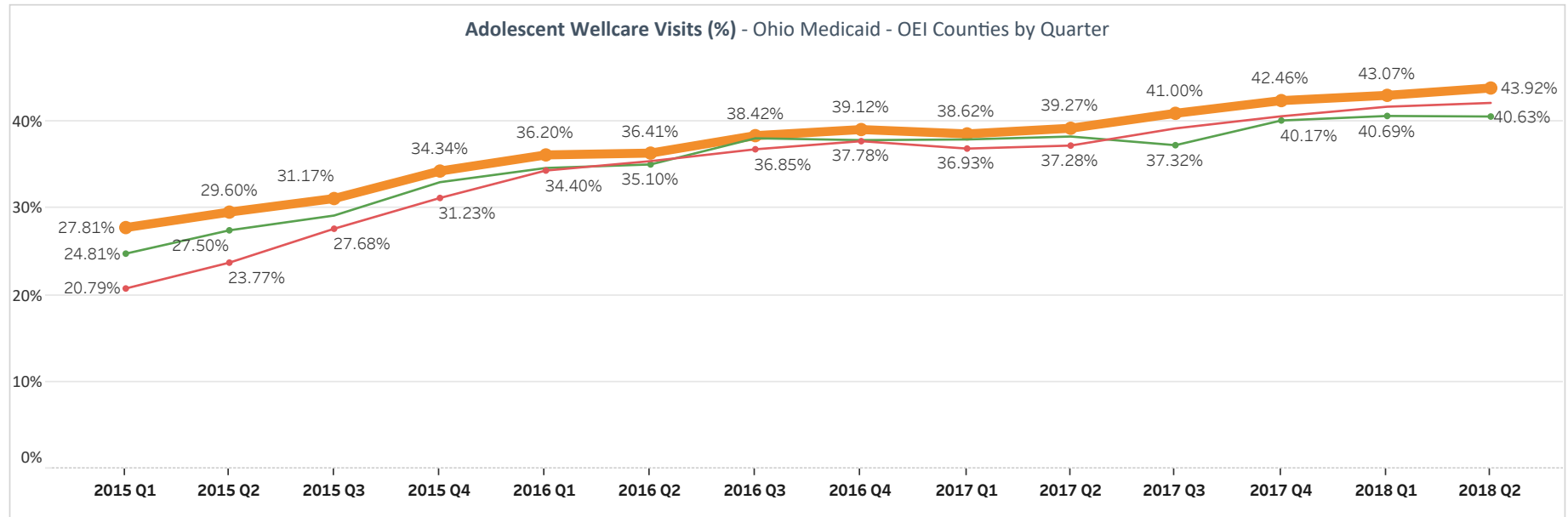
Adolescent Wellcare Visits (%)

Stark, Butler, Mahoning Counties - Adolescent Wellcare Visits (%)

Trends by Quarter | CY 2015-2018

Counties

Butler Mahoning Stark



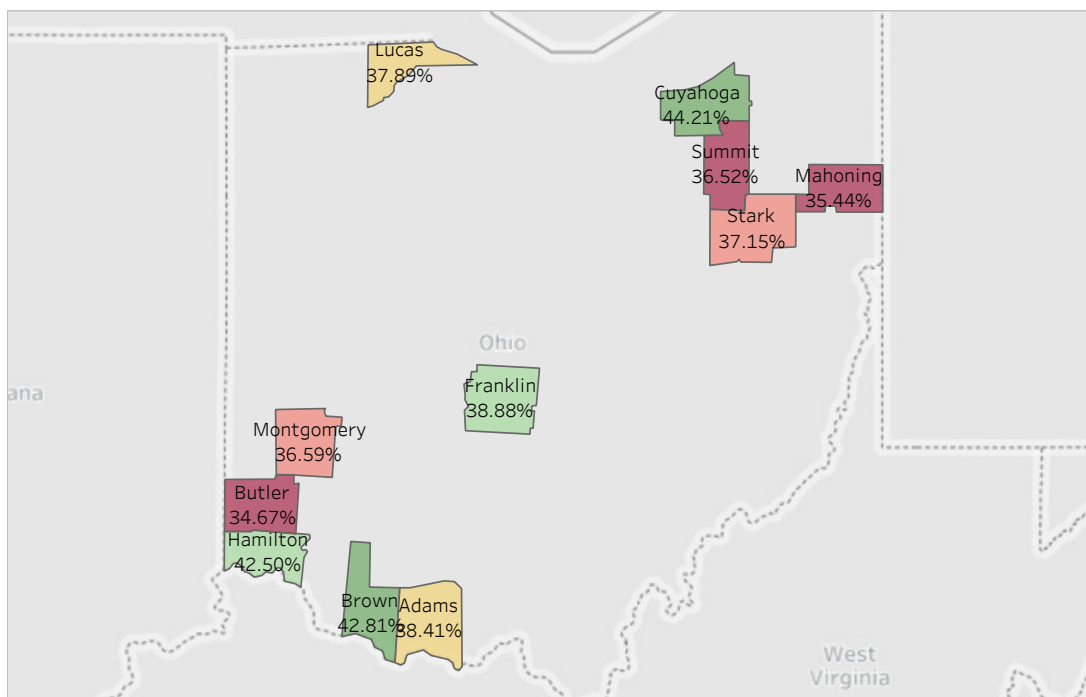
County	Adolescent Wellcare Visits Aggregate Rate Q1 2015 - Q2 2018	Adolescent Wellcare Visits Current Rate Q3 2017 - Q2 2018	Annual Target for Real Impact*
Butler	34.67%	42.20%	From 3443 to 3521 Women
Stark	37.15%	43.92%	From 3755 to 3835 Women
Mahoning	35.44%	40.63%	From 2932 to 3003 Women

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 – Q2 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 Q2 2018. The calculation to determine the annual target therefore assumes an average size in the denominator for upcoming four quarters of data.



Stark, Butler, Mahoning Counties - Adolescent Wellcare Visits (%)

OEI County Quintiles | CY 2015-2018



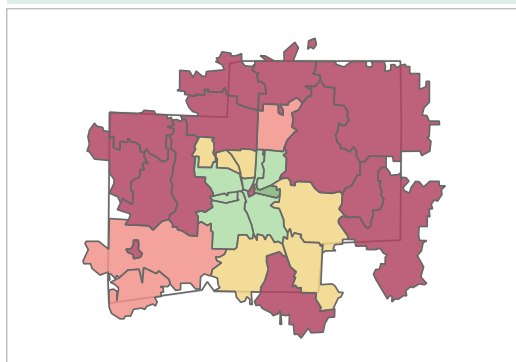
Map Measure Ranges

- $\geq 0 < 36.532\%$
- $\geq 36.532\% < 37.164\%$
- $\geq 37.164\% < 38.874\%$
- $\geq 38.874\% < 42.795\%$
- $\geq 42.795\%$

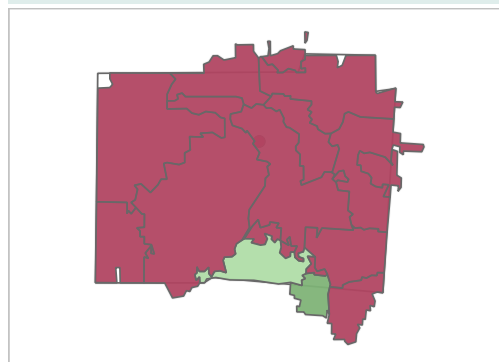
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.

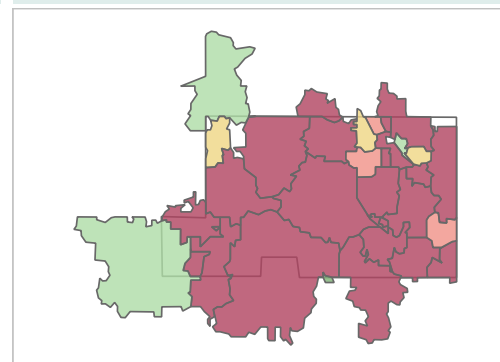
Stark



Butler

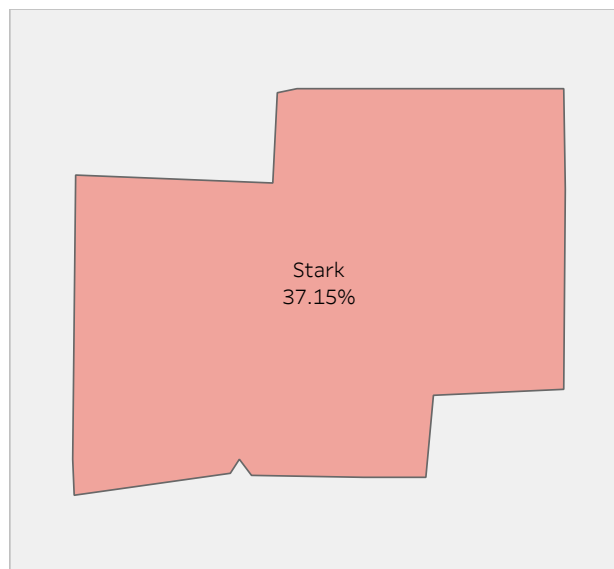
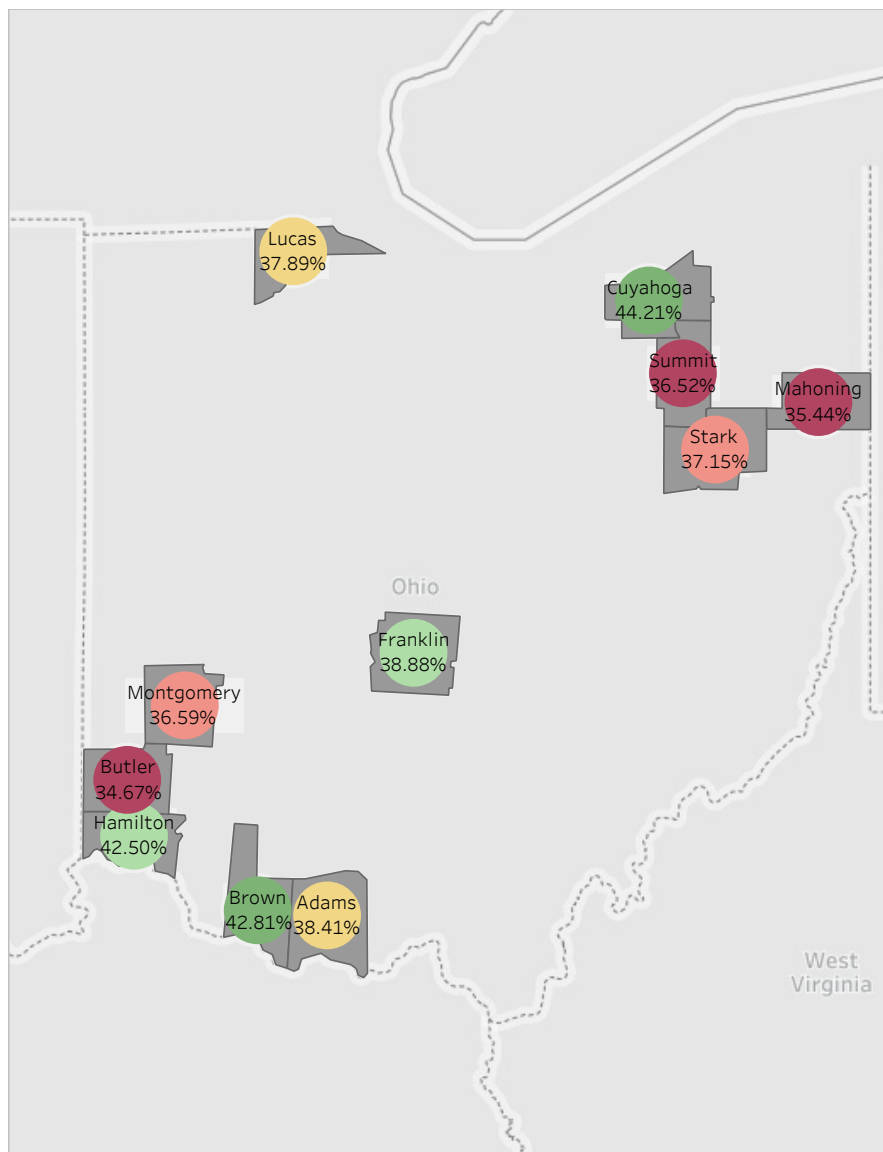


Mahoning



Stark County - Adolescent Wellcare Visits (%)

OEI Quintiles | CY 2015-2018

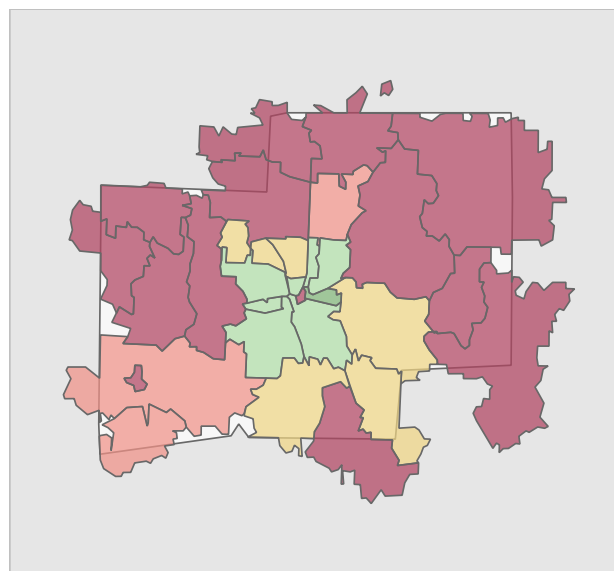


Map Measure Ranges

- $\geq 0 < 36.532\%$
- $\geq 36.532\% < 37.164\%$
- $\geq 37.164\% < 38.874\%$
- $\geq 38.874\% < 42.795\%$
- $\geq 42.795\%$

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.

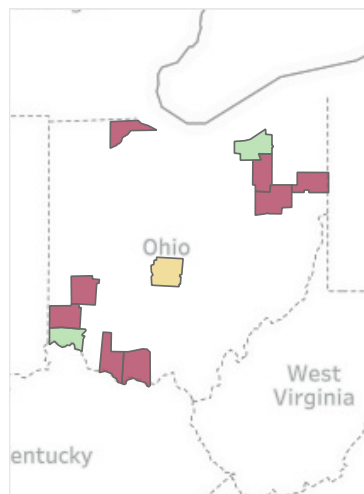
Data are through Q2 2018.
Data are limited to Medicaid as the payer.



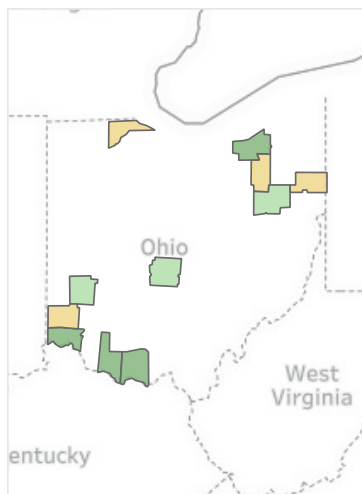
Stark County - Adolescent Wellcare Visits (%)

OEI Quintiles | CY 2015-2018 Yearly Comparison

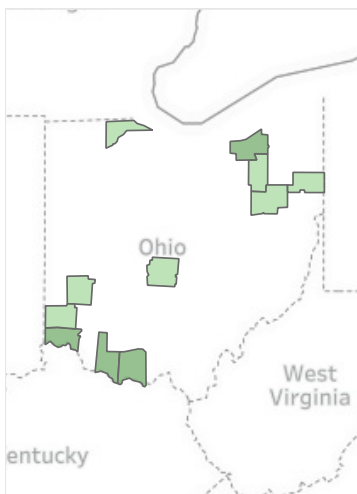
CY 2015



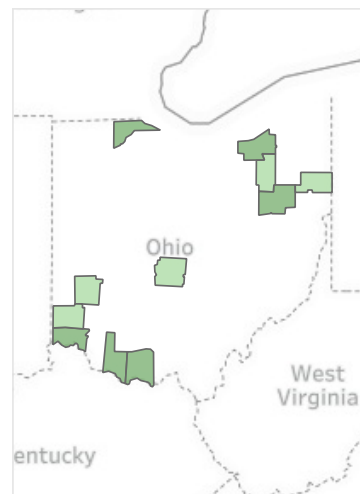
CY 2016



CY 2017



Q2 2018

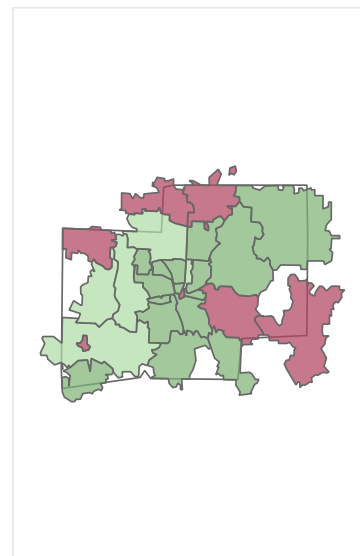
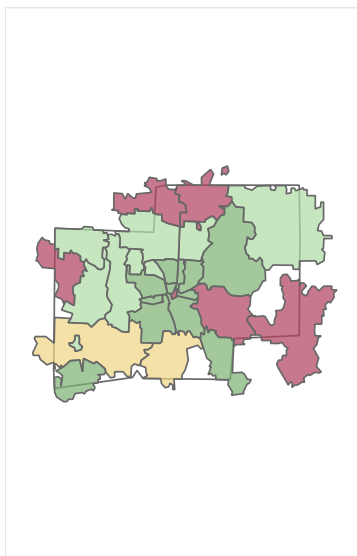
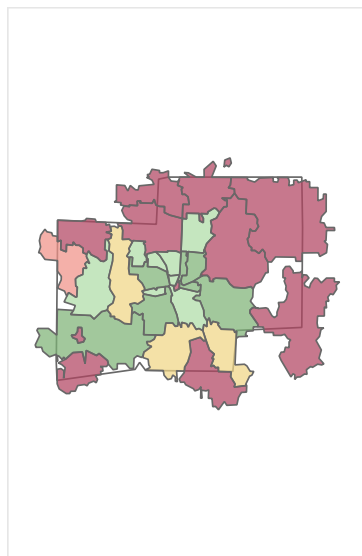
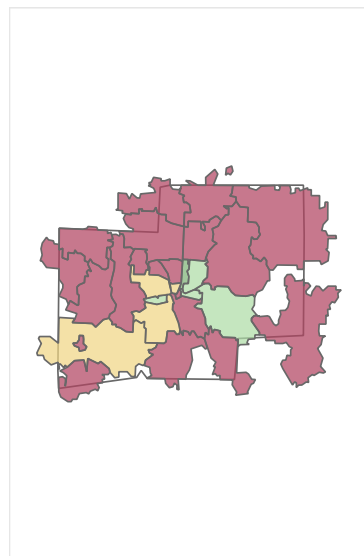


Map Measure Ranges

- $\geq 0 < 36.532\%$
- $\geq 36.532\% < 37.164\%$
- $\geq 37.164\% < 38.874\%$
- $\geq 38.874\% < 42.795\%$
- $\geq 42.795\%$

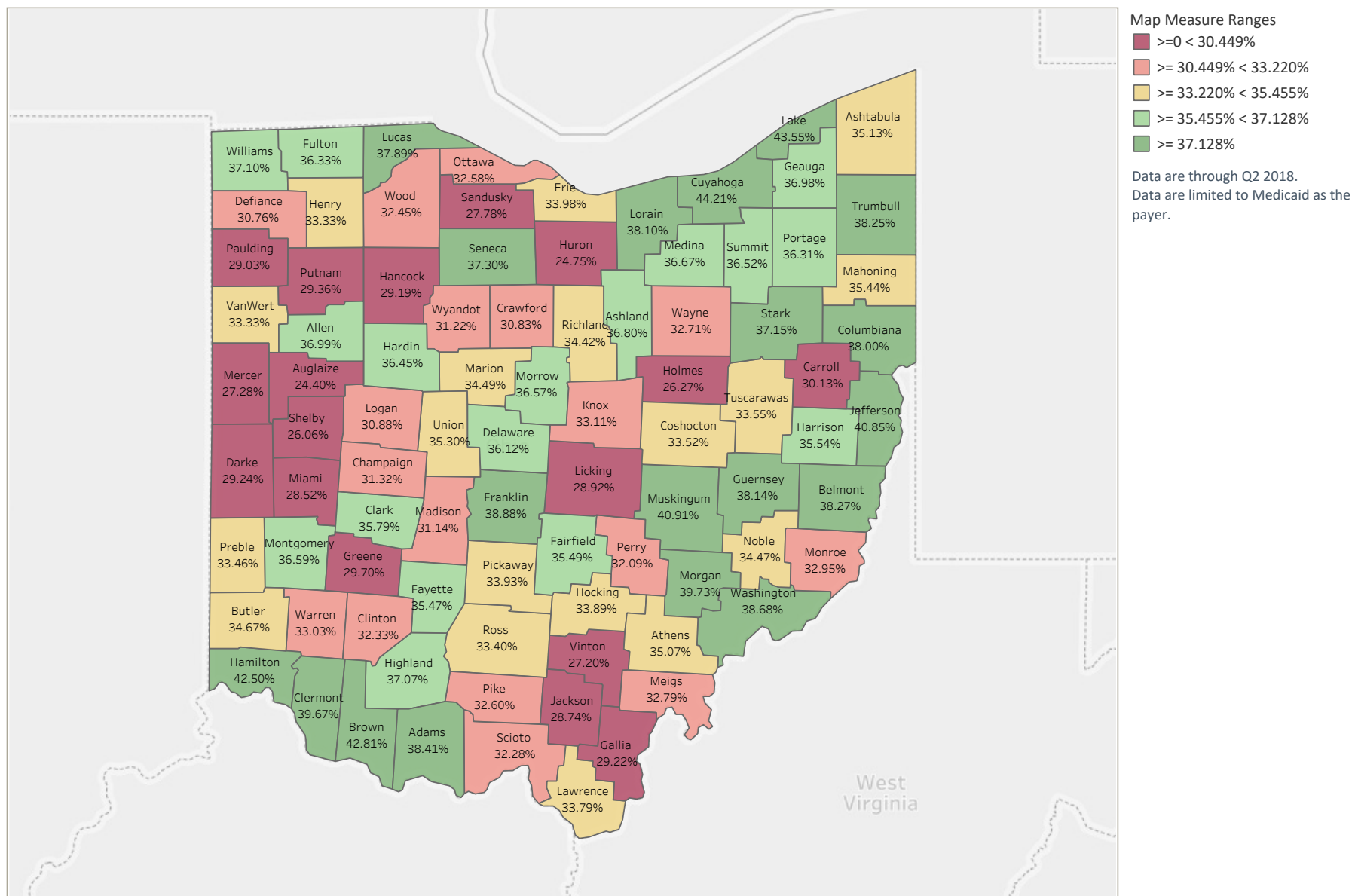
A zip code (ZCA) must have a numerator of at least 5 and a denominator of at least 30 otherwise the ZCA is blank on map for privacy.

Data are through Q2 2018.
Data are limited to Medicaid as the payer.



Statewide - Adolescent Wellcare Visits (%)

Overall Quintiles by County | CY 2015 - 2018





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

Medicaid Plan
All Plans

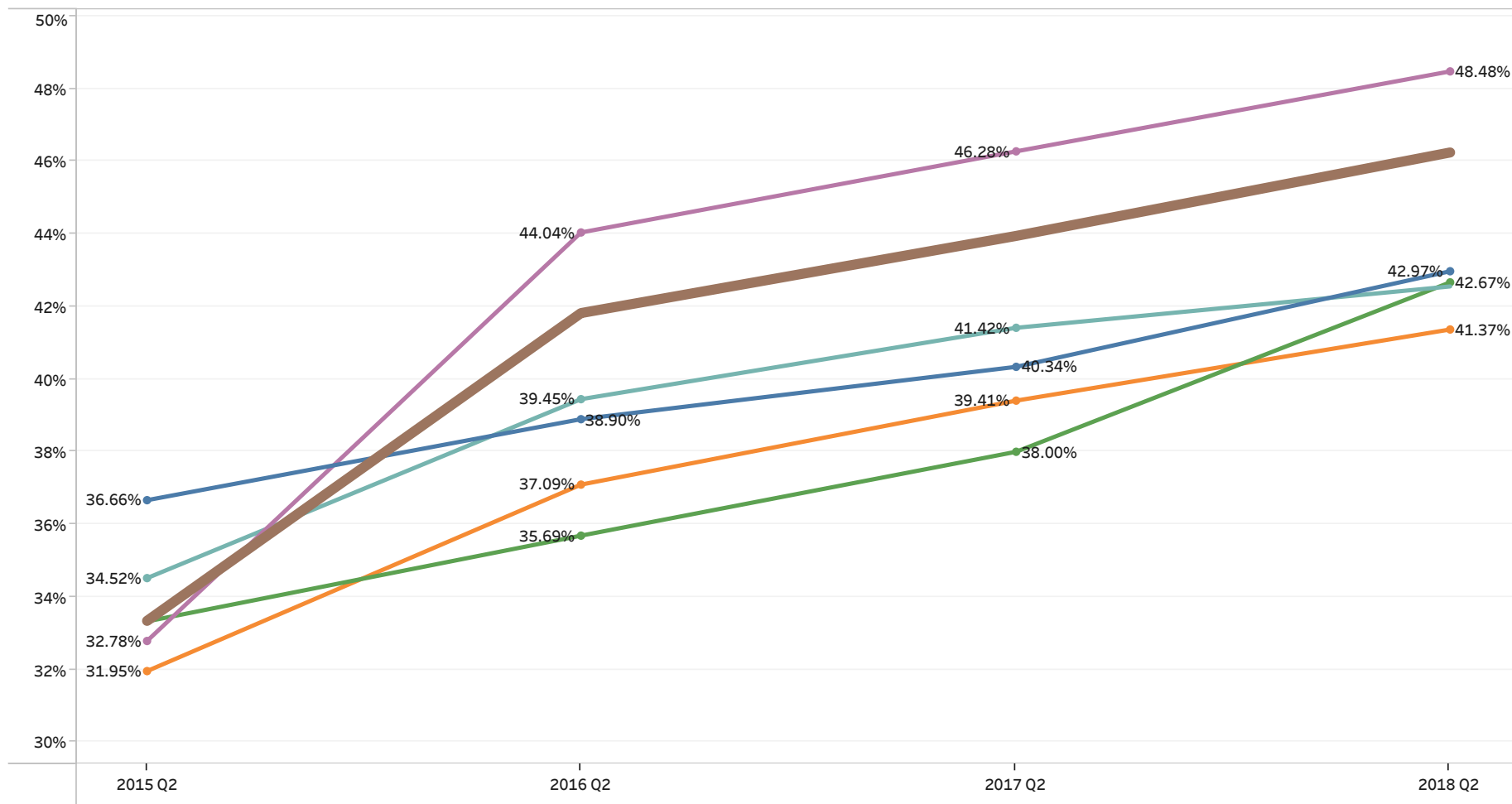
Buckeye

CareSource

Molina

Paramount

United



Data are through Q2 2018.

Data are limited to Medicaid as the payer.