



**BALL STATE  
UNIVERSITY**

**Substance Use Research  
and Community Initiatives**

# Assessment of Indiana Syringe Service Programs

# Public Health & Medical Intervention

1. Disease Prevention
  - i. Hep-C & HIV
2. Access Point to a High-Risk Population with Acute Vulnerability
  - i. Food, clothing, and housing resources
  - ii. Insurance navigation
  - iii. Medical, mental, & behavioral health care
  - iv. Treatment and recovery resources
    - Reduce recovery barriers

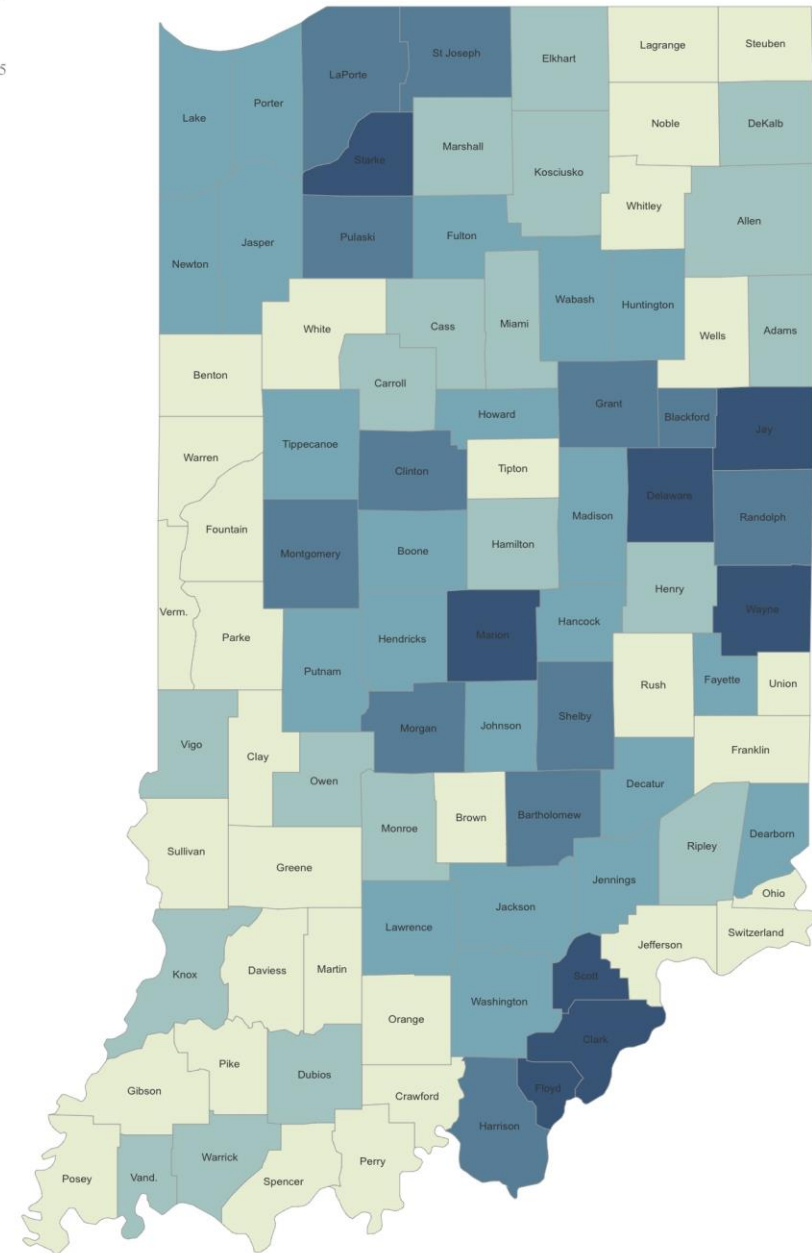
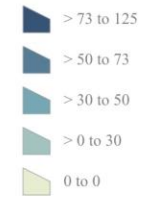


Syringe Service Programs

# Non-Fatal E.D. Heroin 2019

Map Description

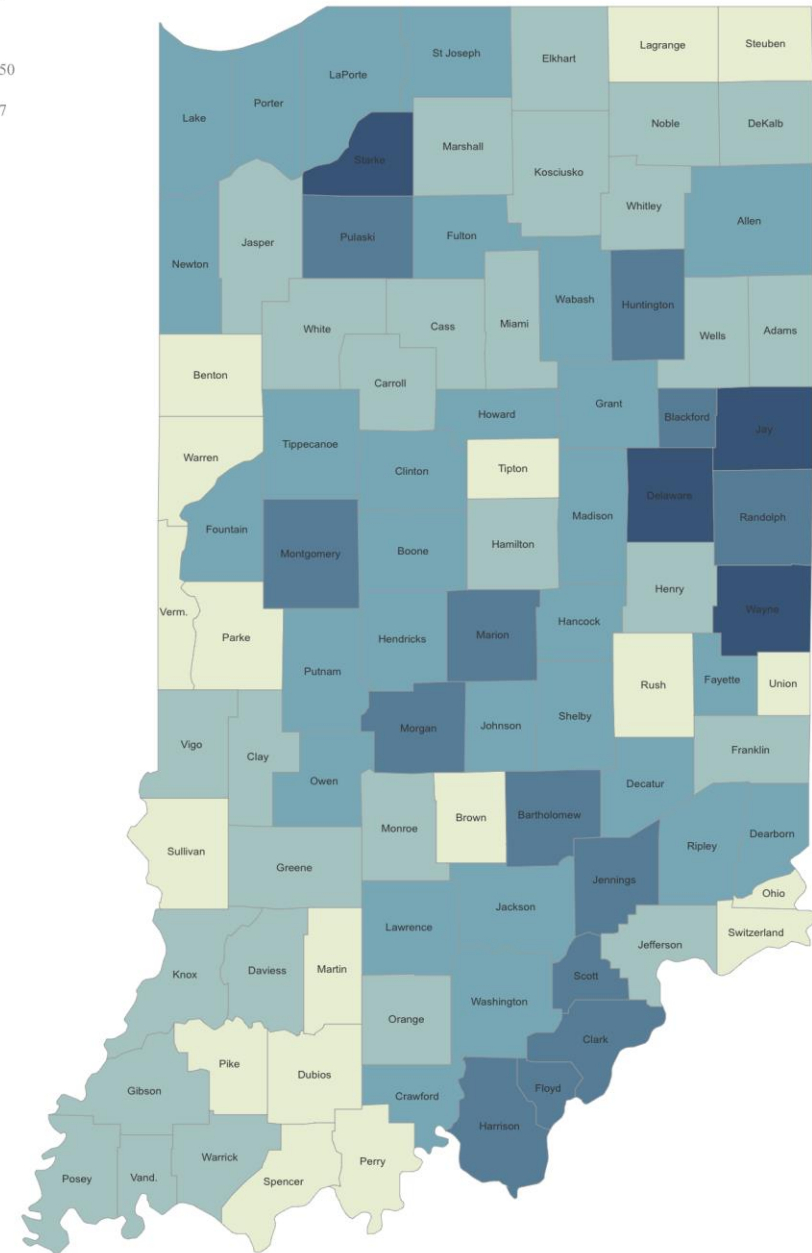
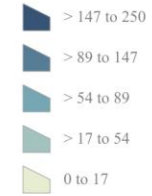
County



# Non-Fatal E.D. Opioids 2019

Map Description

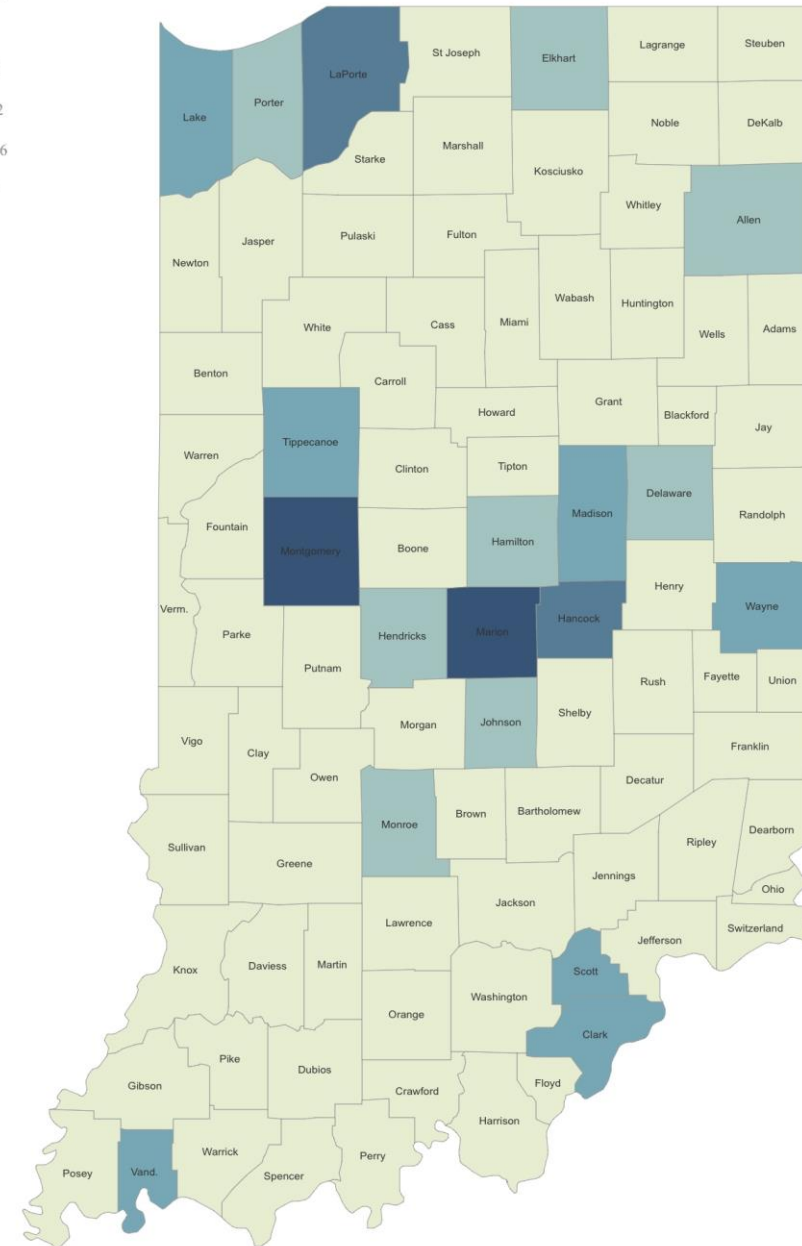
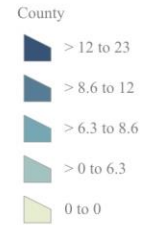
County





# Newly Diagnosed HIV/AIDS 2021

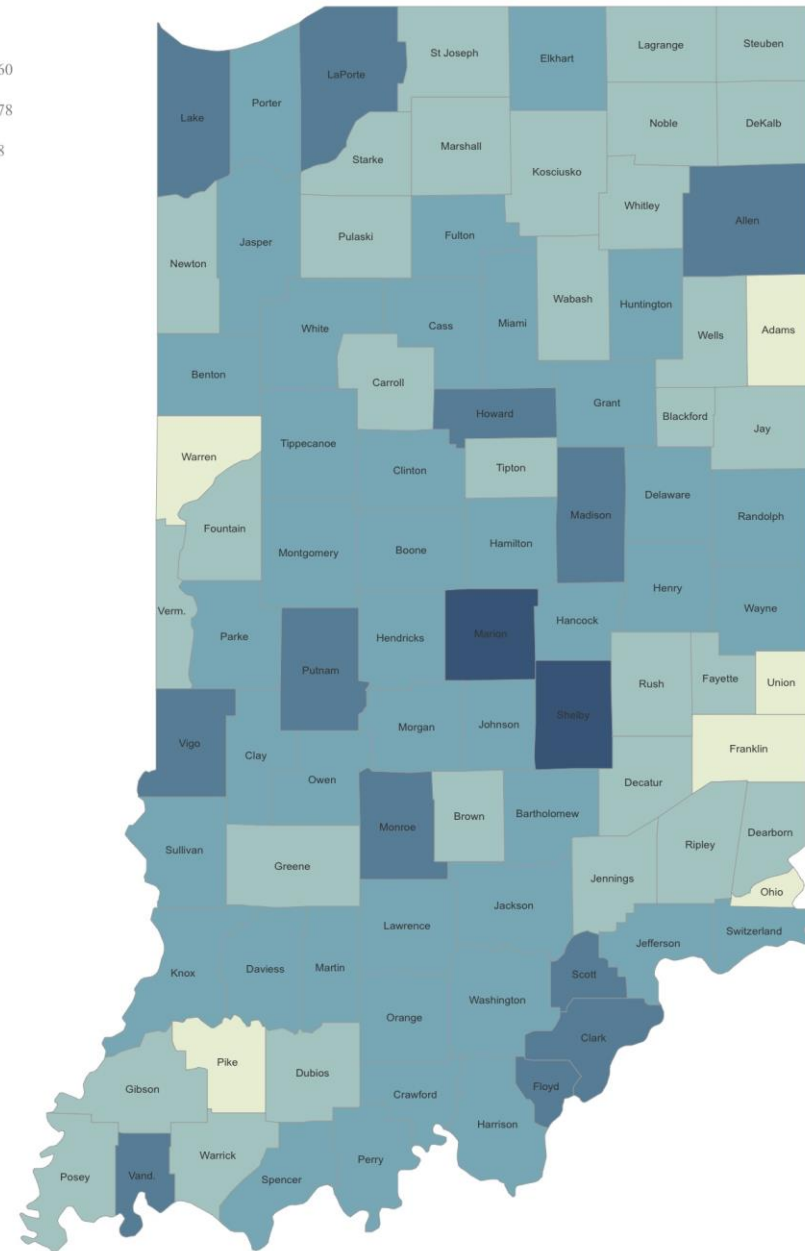
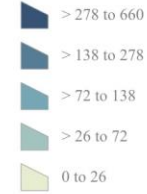
Map Description



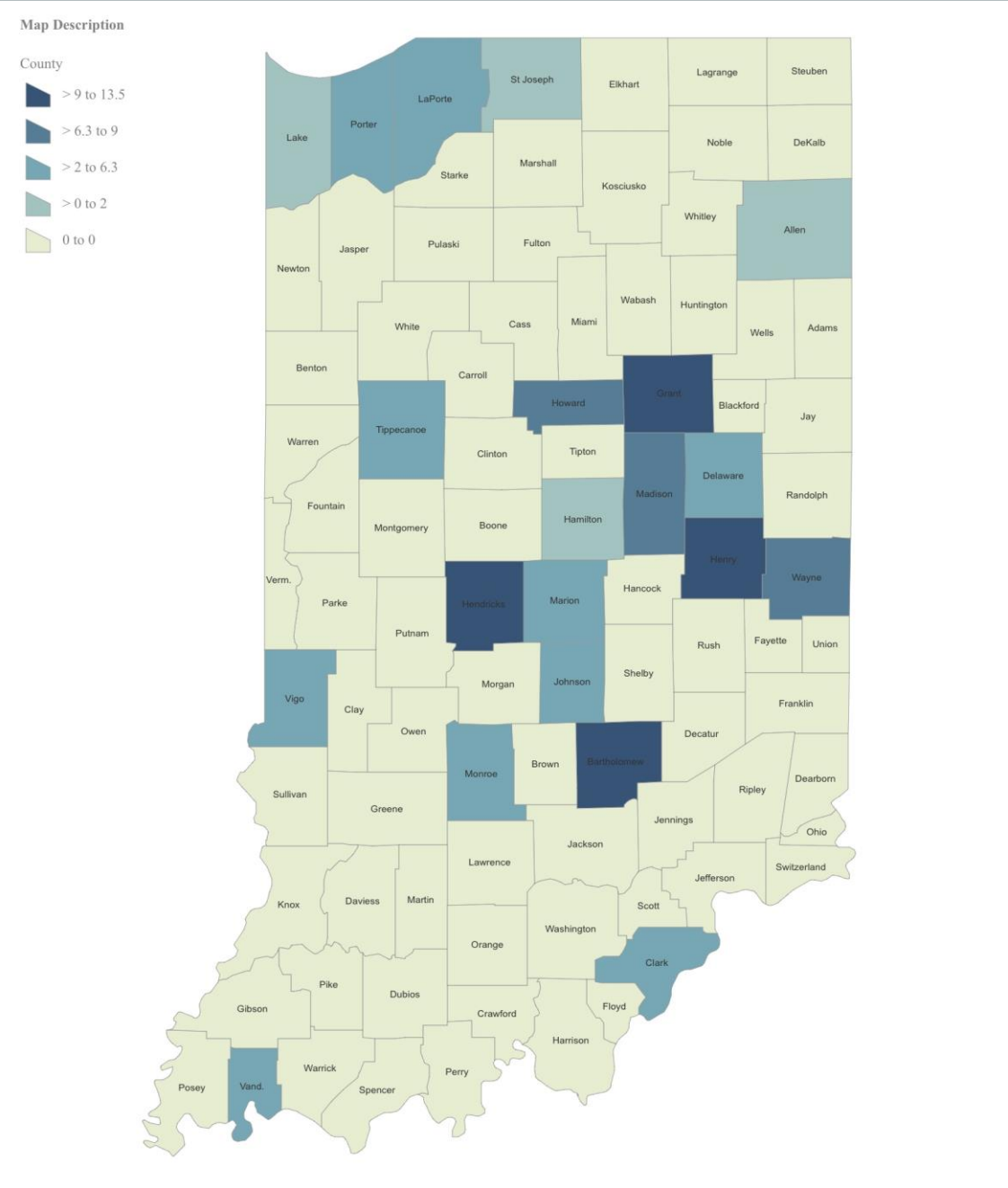
# HIV/AIDS Prevalence 2021

Map Description

County

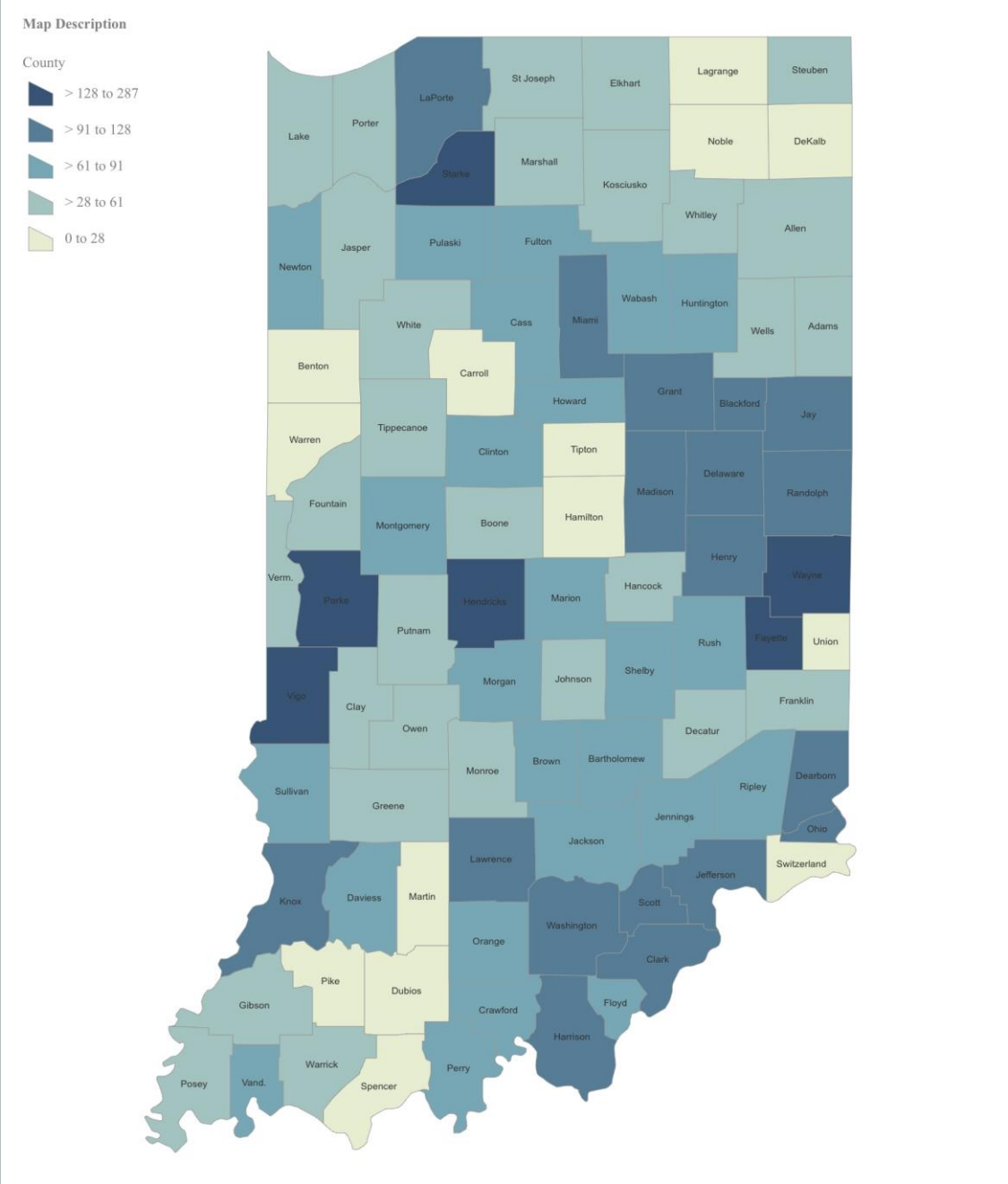


# Hep-C Acute 2020



# Hep-C Chronic

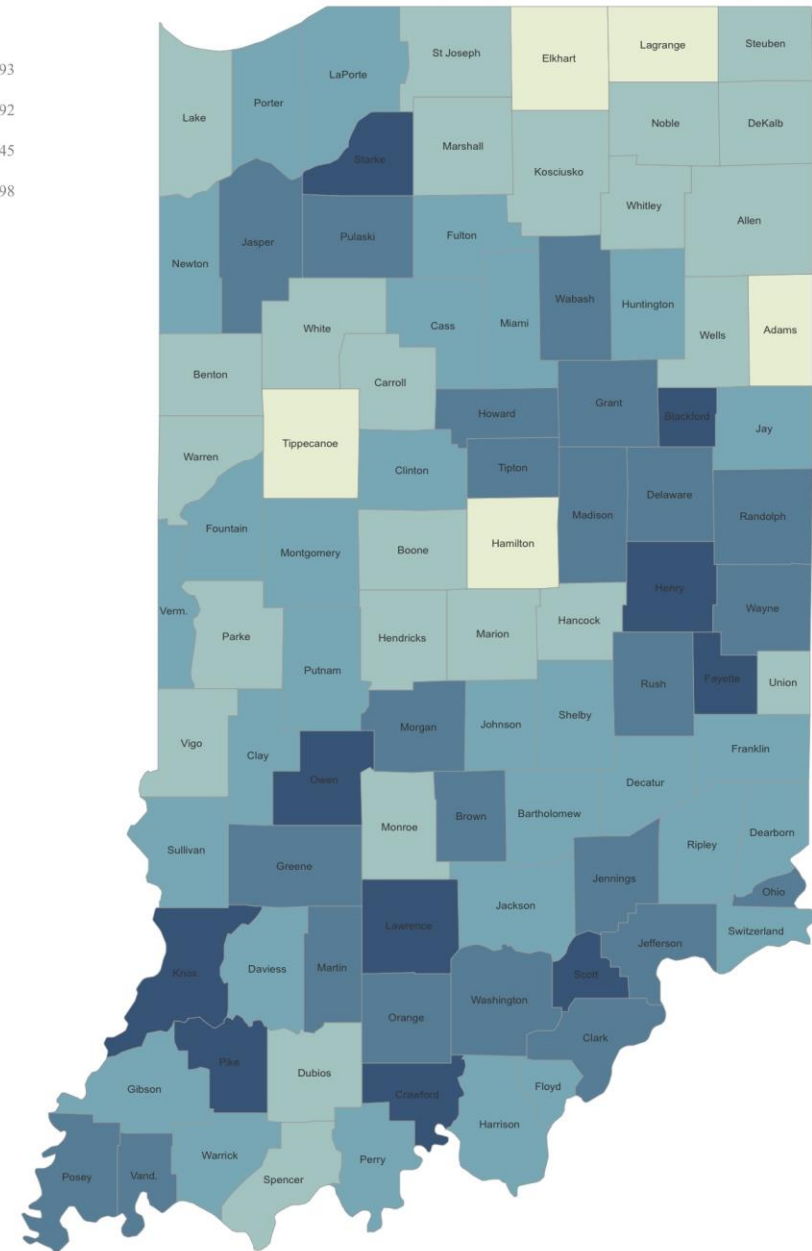
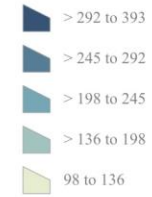
## 2021



# Opioid Prescriptions 2019

Map Description

County



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

45,937

YTD % Difference  
From Previous Year

2.97%

MTD Individuals Arrested  
(May 2023)

4,308

MTD % Difference  
From Previous Year

-0.19%

1,191 Arrested Individuals per  
10,000 State Residents

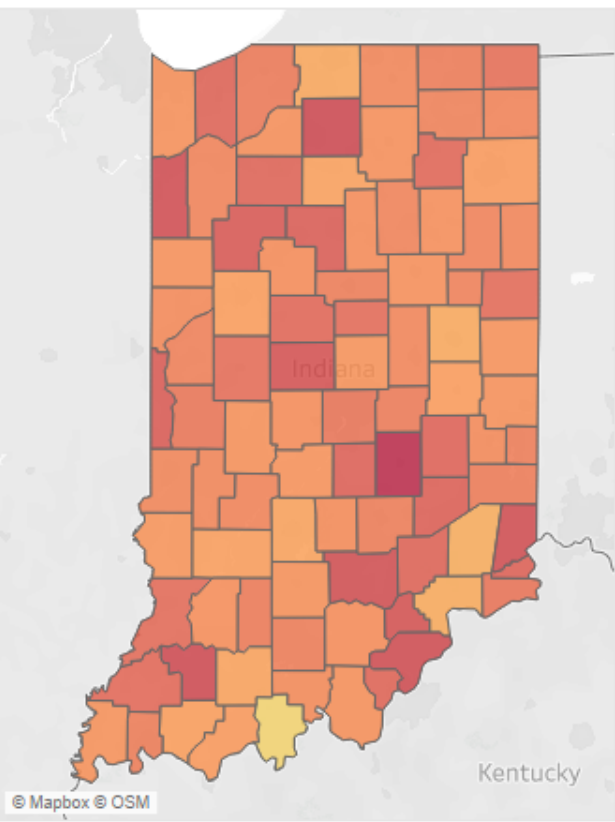
Show...  
Individuals Arrested

Offense Stage  
Most Recent (Arrest or Disposition)

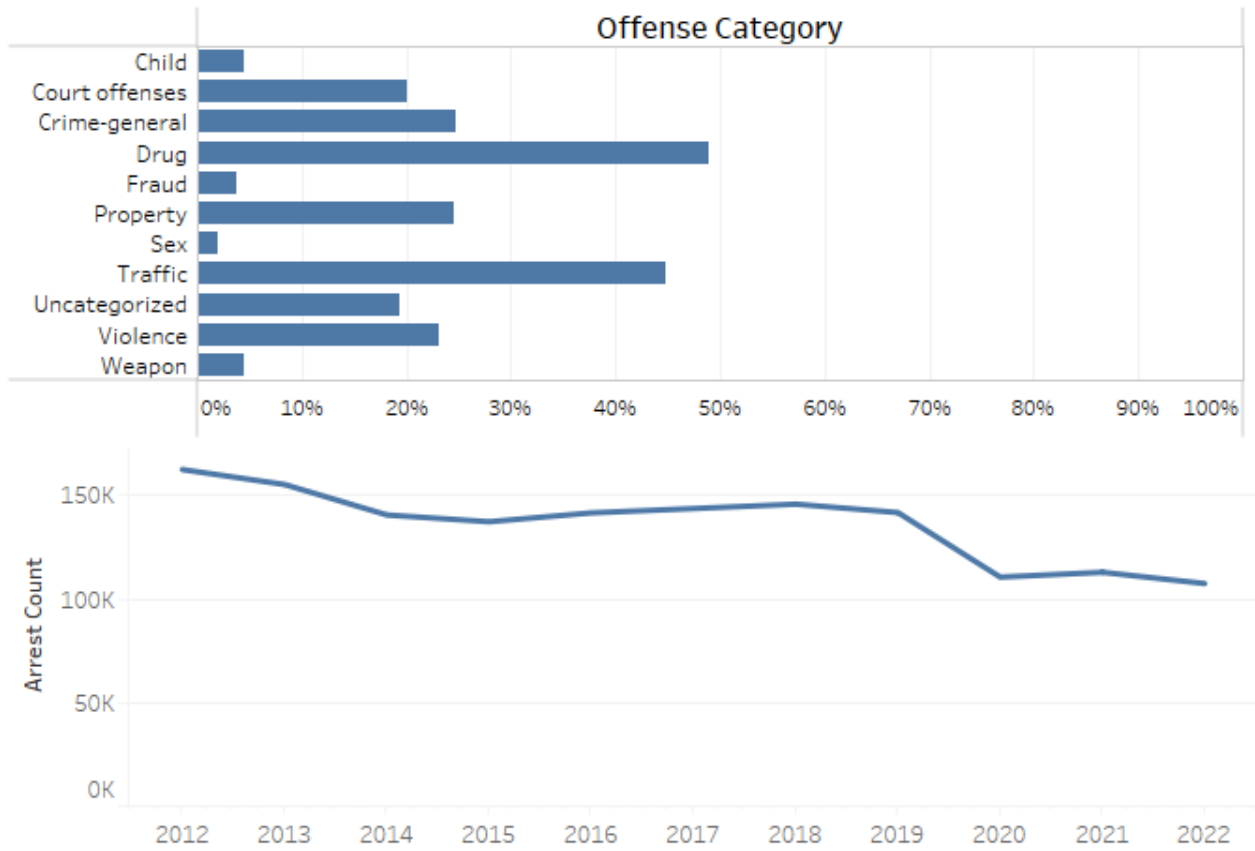
Year  
Multiple values

Heatmap or Line Chart  
Line Chart

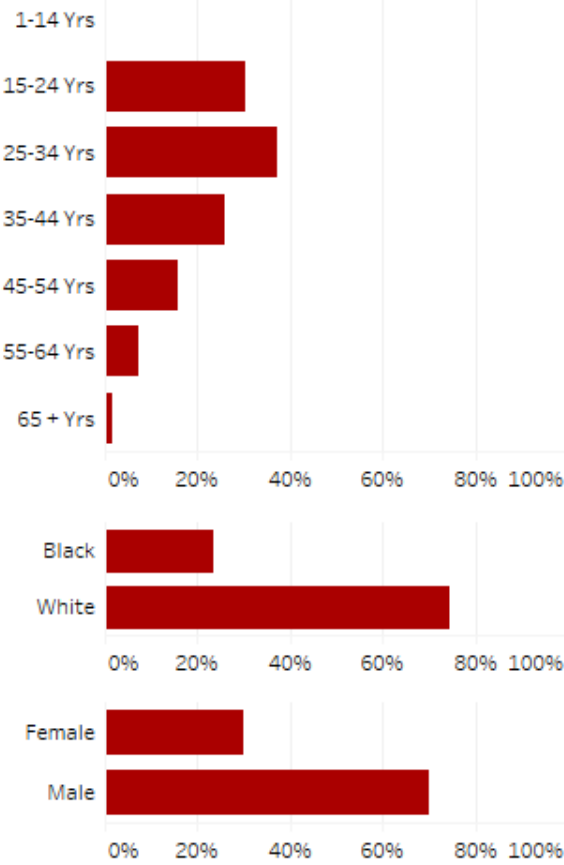
Rate or Count?  
Rate per 10,000 County Residents



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

15,327

YTD % Difference  
From Previous Year

-6.00%

MTD Individuals Arrested  
(May 2023)

1,377

MTD % Difference  
From Previous Year

-5.88%

583 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

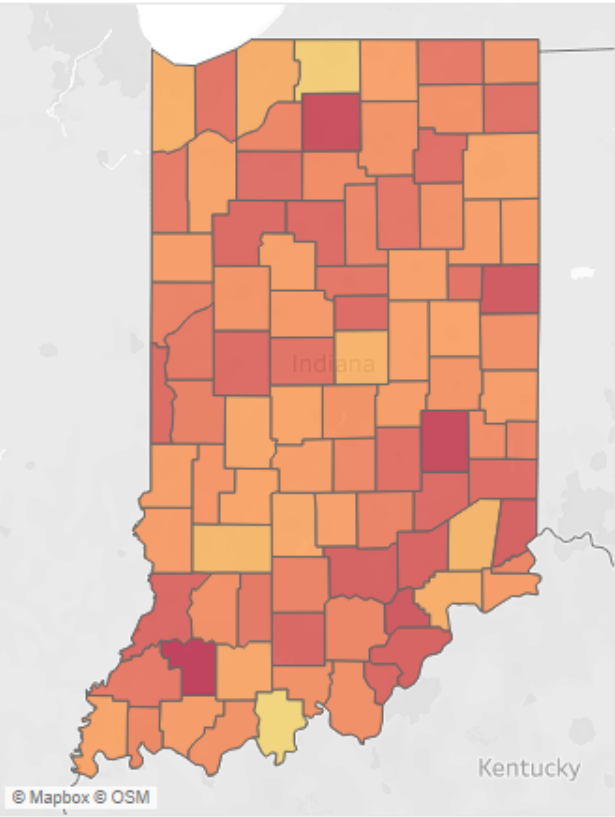
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

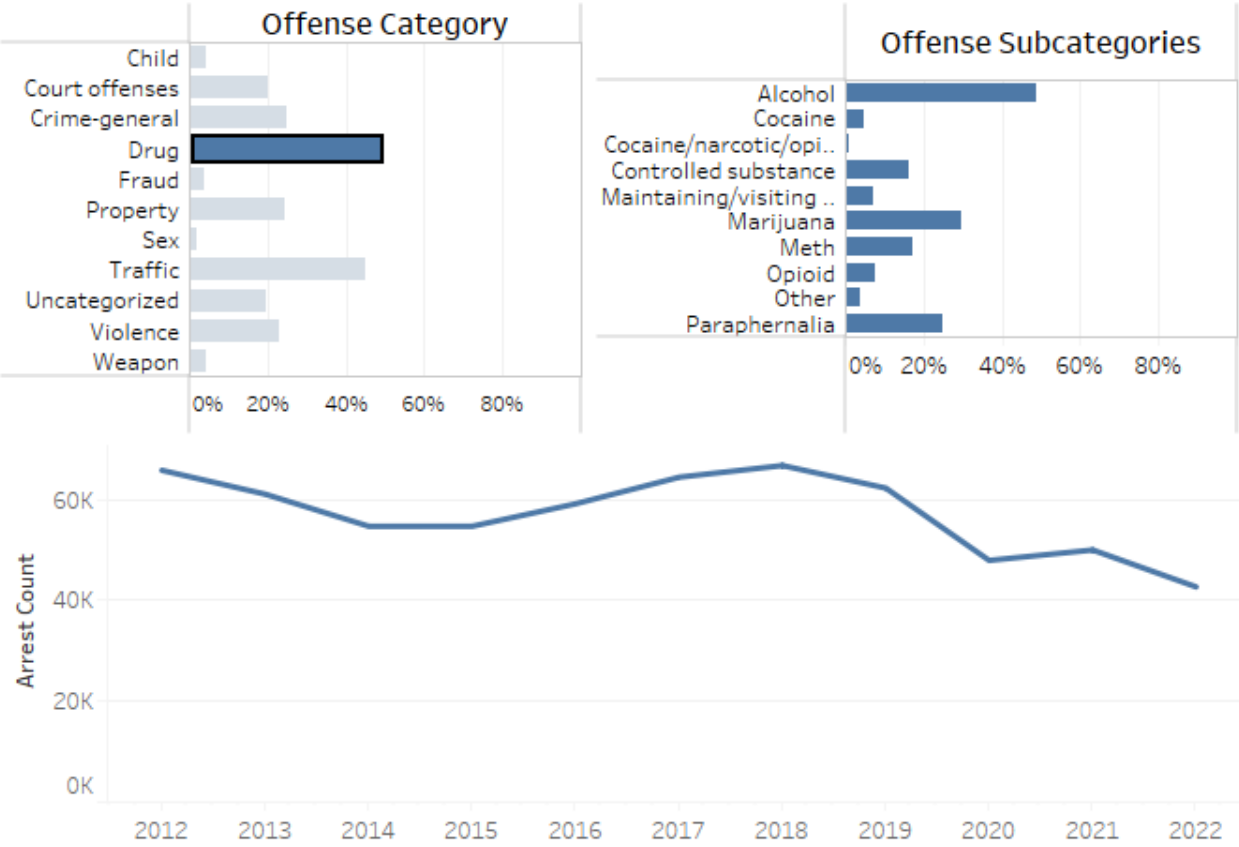
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

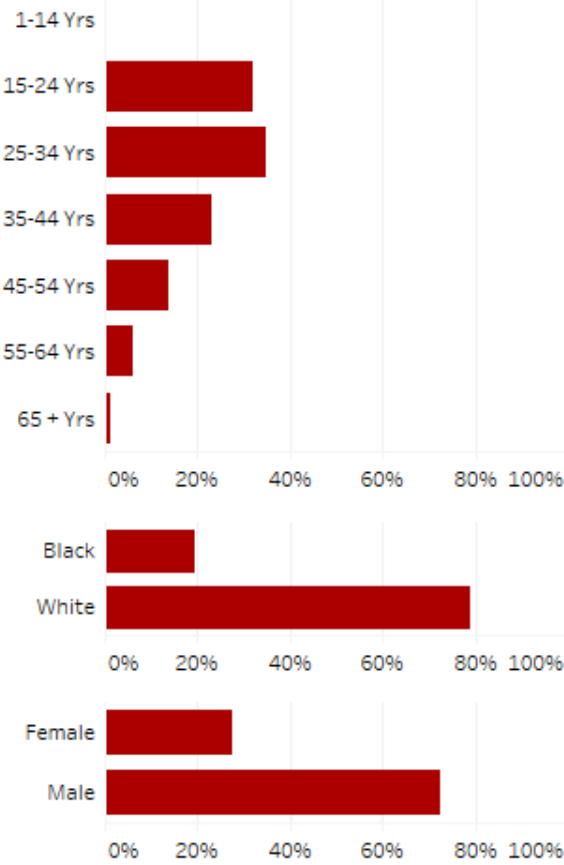
344 1,195



Select an Offense Category to see Subcategories



Demographic Information



# Nationwide Comparison

1. 6<sup>th</sup> in acute Hepatitis-C rates (2020)
  - i. 3.6 per 100k
  - ii. #1 in 2018
  - iii. \$84,000 per person for Tx
2. 25<sup>th</sup> in new cases of HIV (2020)
3. 10<sup>th</sup> in overdose mortality rates (2021)
  - i. 43 per 100k; 2,811 deaths
  - ii. Overdoses fatalities increased 38% from 2019-2020
4. 12<sup>th</sup> worst state for addiction according to a study by Wallethub.

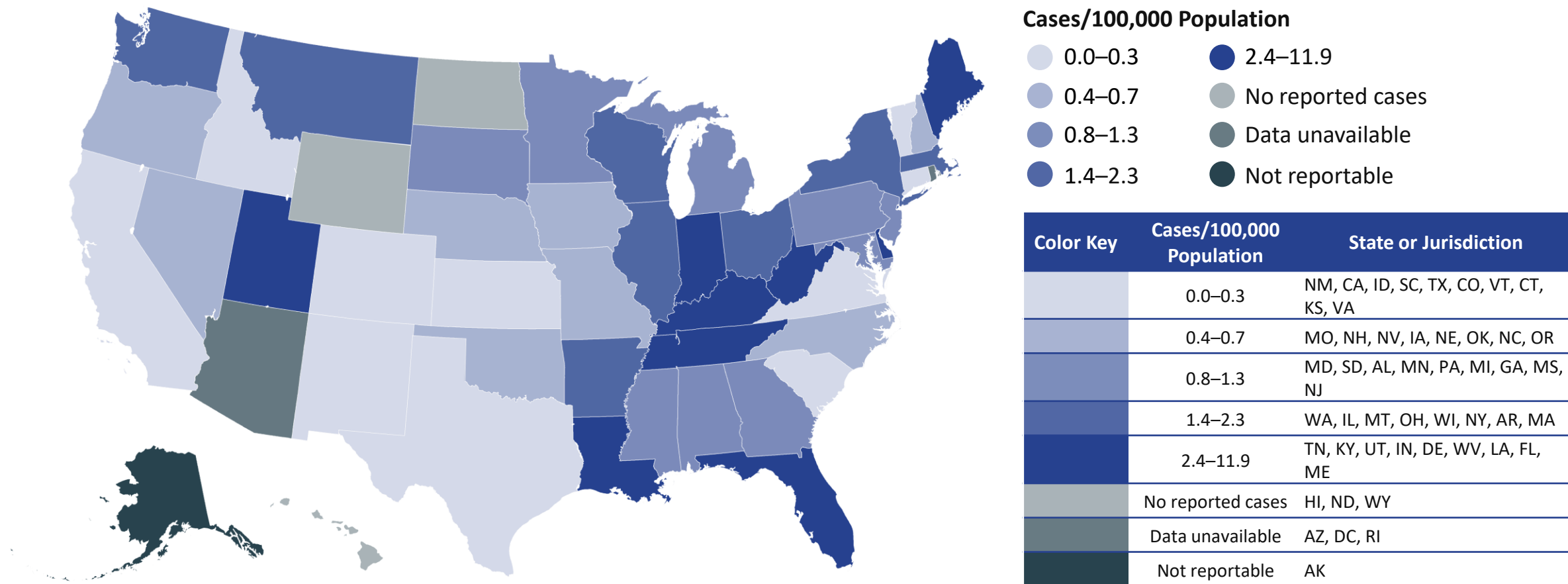


Nationwide Comparison

Figure 3.3

# Rates\* of reported cases† of acute hepatitis C virus infection, by state or jurisdiction

## United States, 2020



\* Rates per 100,000 population.

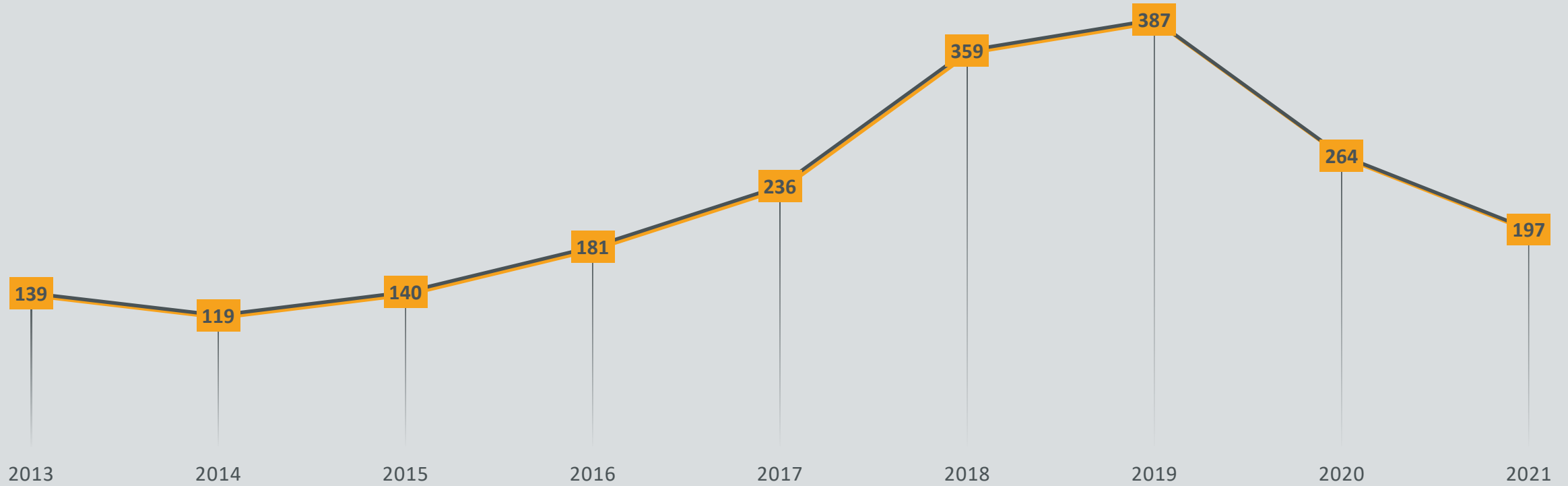
† Reported cases that met the classification criteria for a confirmed case. For the case definition, see <https://ndc.services.cdc.gov/conditions/hepatitis-c-acute/>.

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Viral Hepatitis Surveillance Report – United States, 2020. <https://www.cdc.gov/hepatitis/statistics/2020surveillance/index.htm>. Published September 2022.



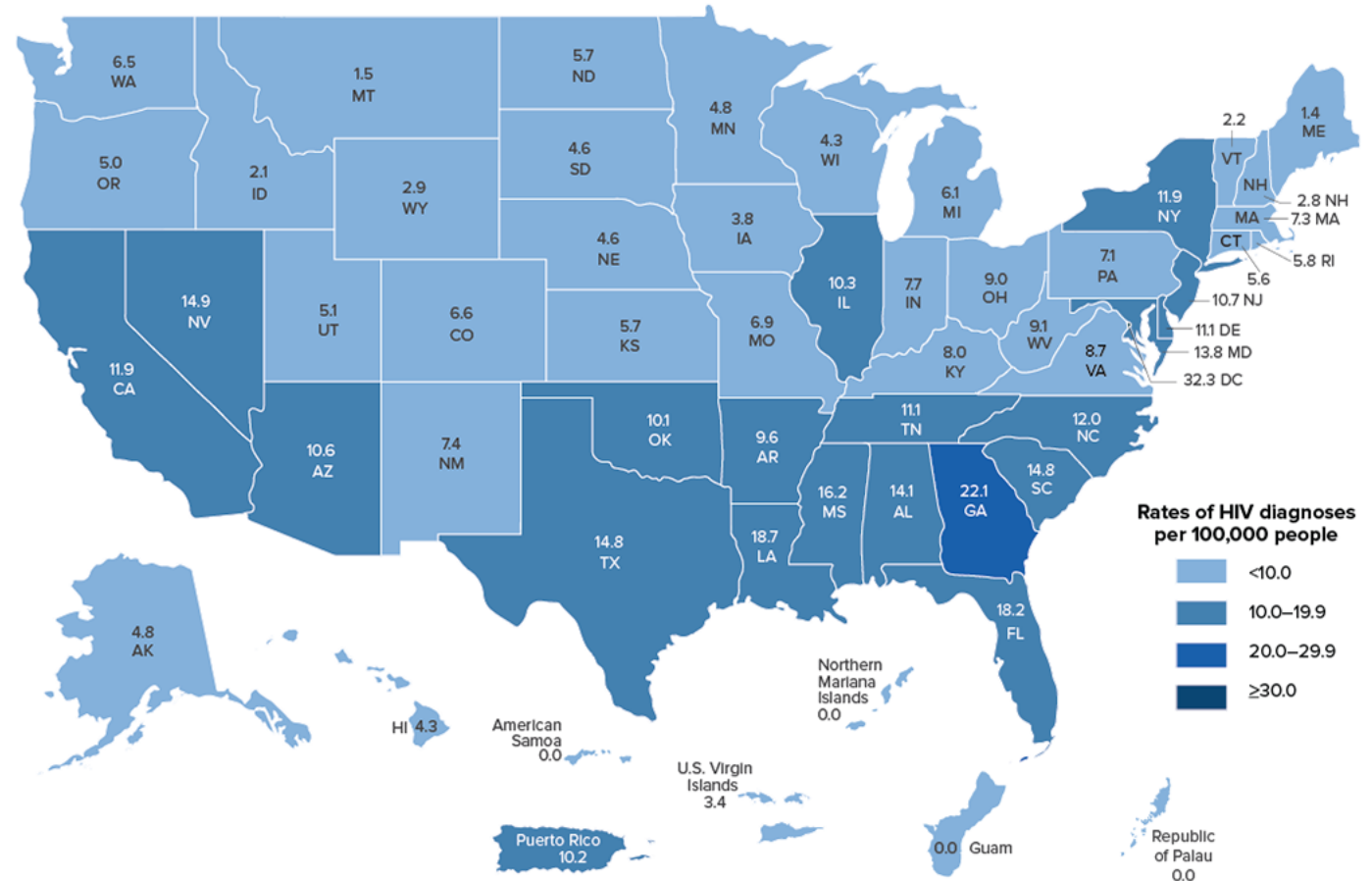
## INDIANA NEW HEPATITIS-C CASES



New Cases of Hep-C: Indiana

# Rates of New HIV Diagnoses in the US and Dependent Areas, 2020\*

The highest rates of new HIV diagnoses were mainly in the South.



Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing, care-related services, and case surveillance activities in state and local jurisdictions.

\* Among people aged 13 and older.

Source: CDC. New Diagnoses of HIV Infection in the United States and dependent areas, 2020. *HIV Surveillance Report* 2022;33.



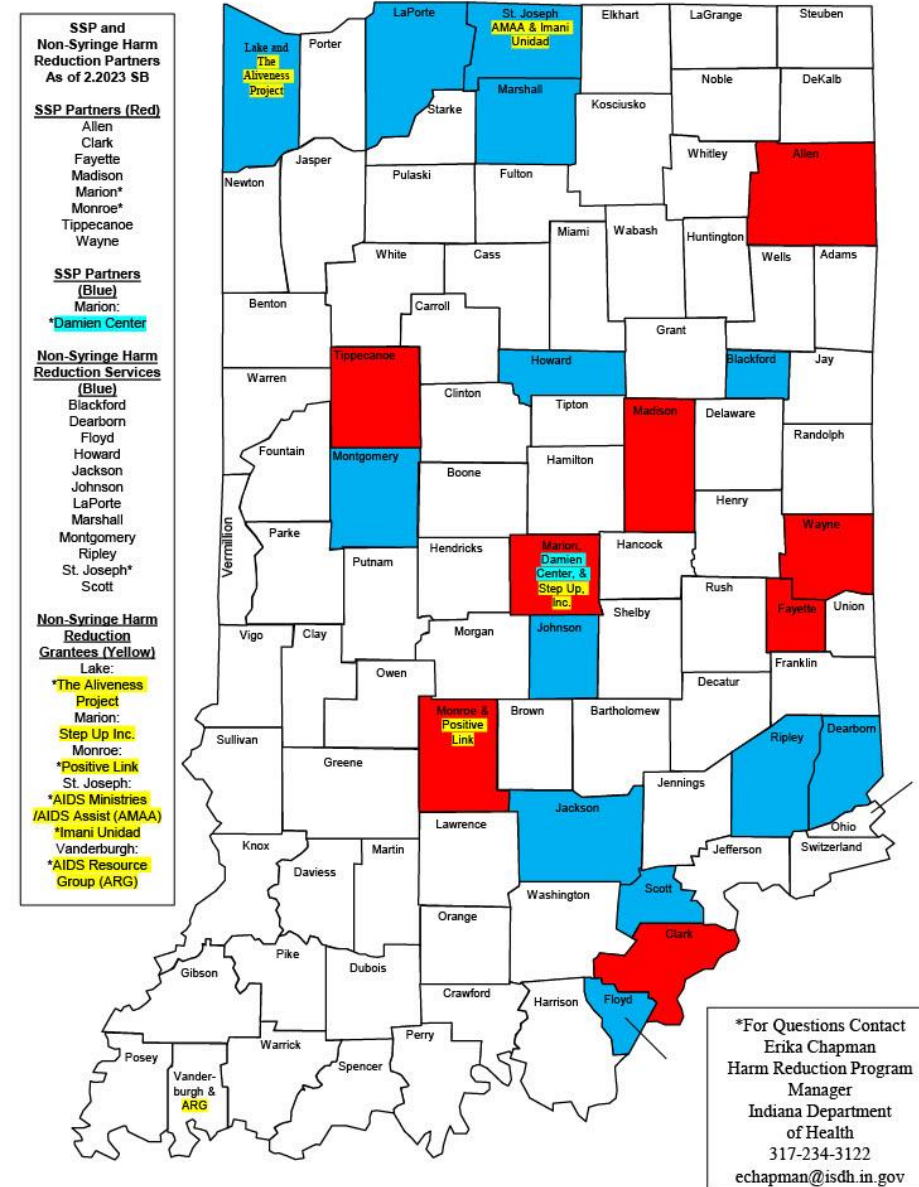
## INDIANA NEW HIV CASES



New Cases of HIV: Indiana

# Indiana Syringe Service Programs

# Indiana Syringe Service Programs



# Survey of Indiana SSPs

- » Program logistics
- » # of individuals served
- » # of Tx referrals provided
- » # of successful referrals



Evaluation

# Public Health Analysis

1. Hepatitis-C
2. HIV
3. Tx admissions
4. Overdoses fatalities
5. Non-fatal overdose emergency department visits
6. Crime



Evaluation

# Safe Syringe Access & Support Program

- » Marion County
- » 2019 (3.5 years)
- » 3 employees, no volunteers
- » Requires membership
- » Open M-F with varied hours
- » Mobile and central locations
- » Services other counties



Logistics

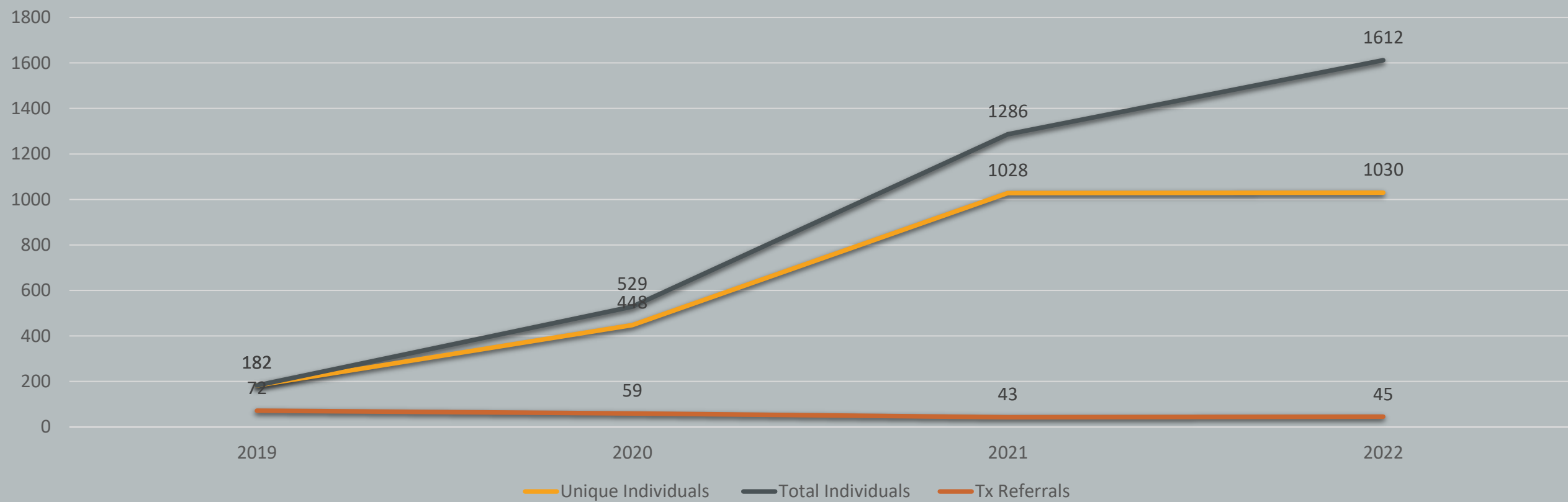
# Safe Syringe Access & Support

- » Wound care
- » Recovery coaches
- » Vaccinations
- » HIV, Hep-C, STI testing
- » + Community support
- » + Legislative support



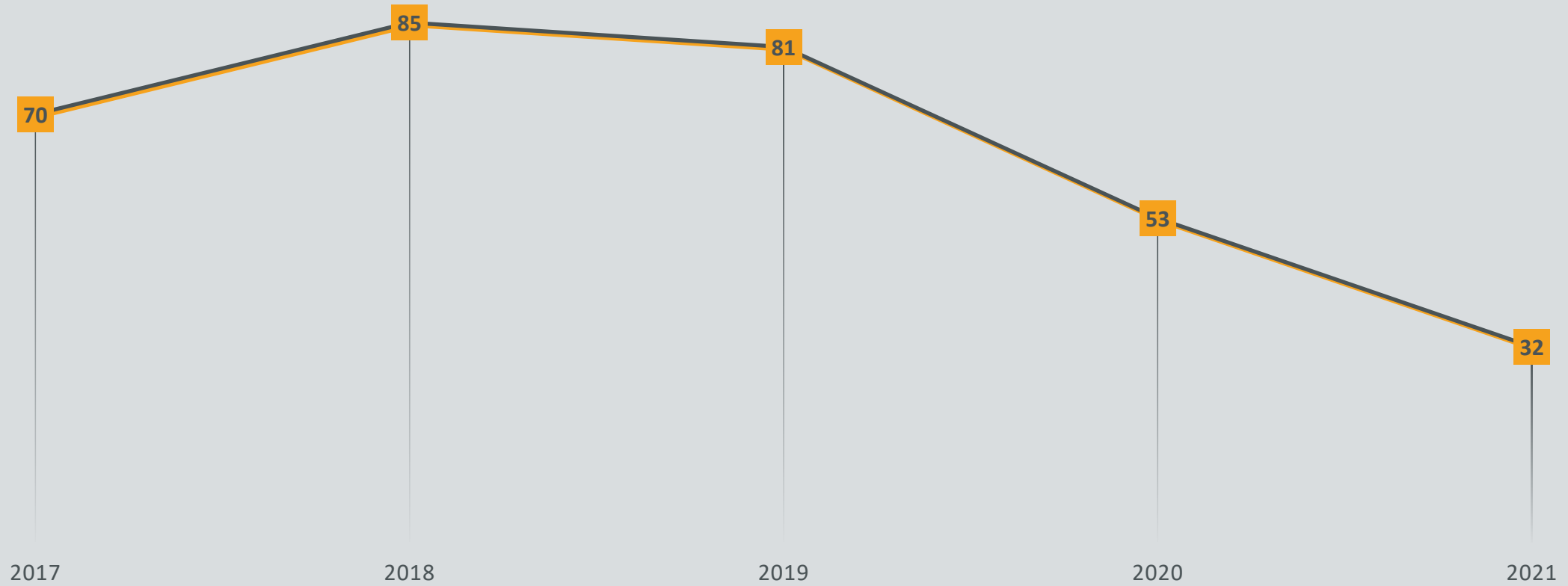
Additional Services

## Marion County Service Counts



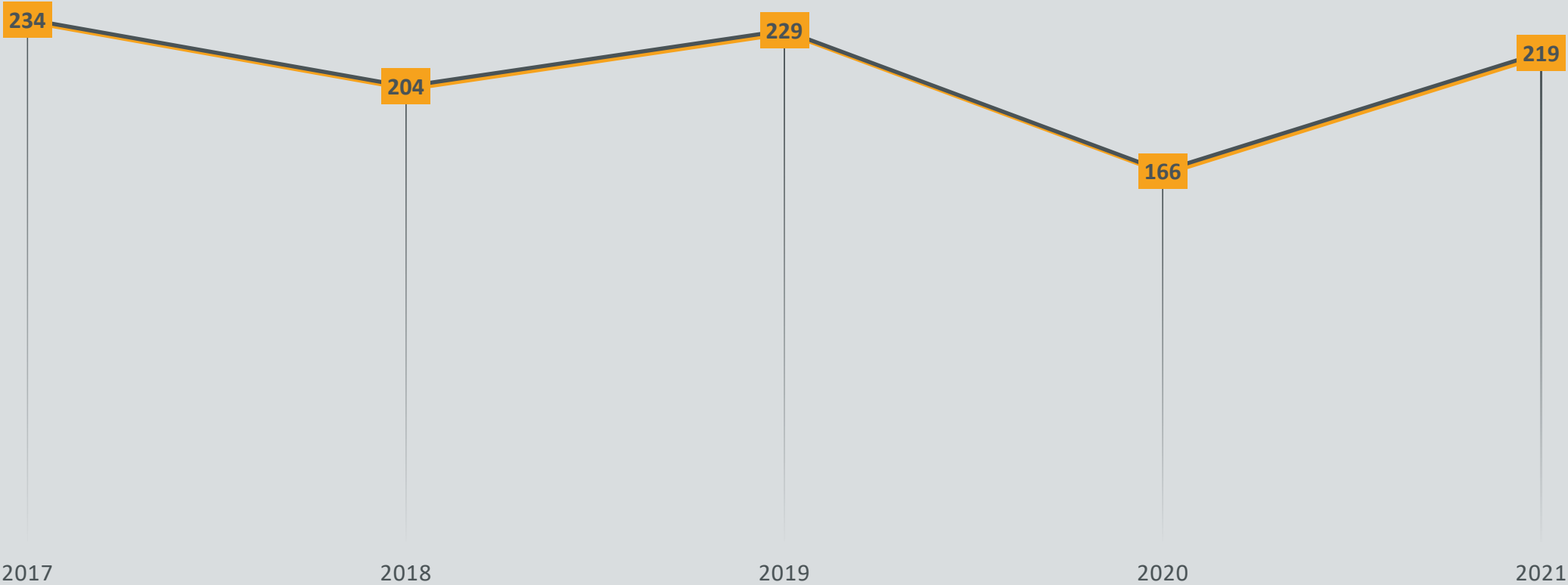
Marion County Service Outcomes

## NEW HEP-C CASES



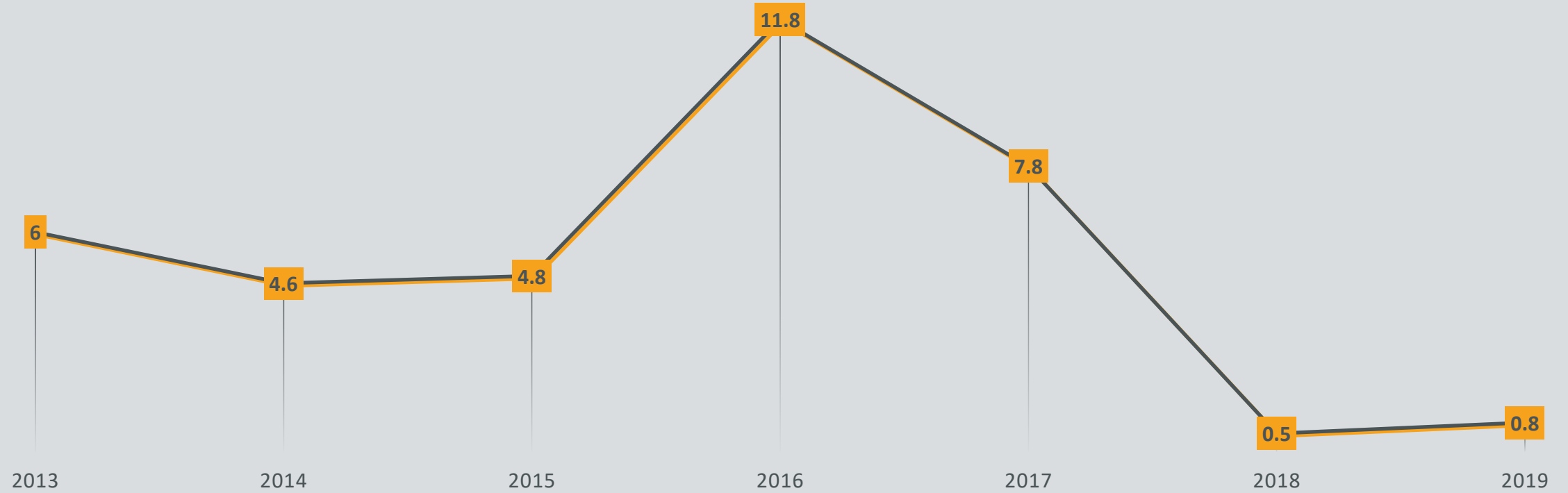
Marion County: Hepatitis C

# NEW HIV CASES



Marion County: HIV

## ENDOCARDITIS



Marion County: Endocarditis per 100k

# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

8,204

YTD % Difference  
From Previous Year

17.54%

MTD Individuals Arrested  
(May 2023)

765

MTD % Difference  
From Previous Year

13.00%

1,191 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

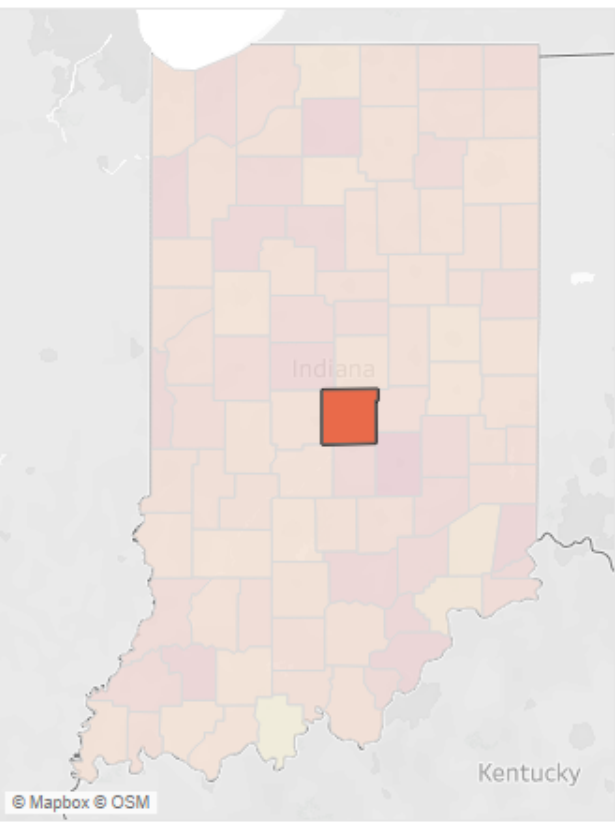
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

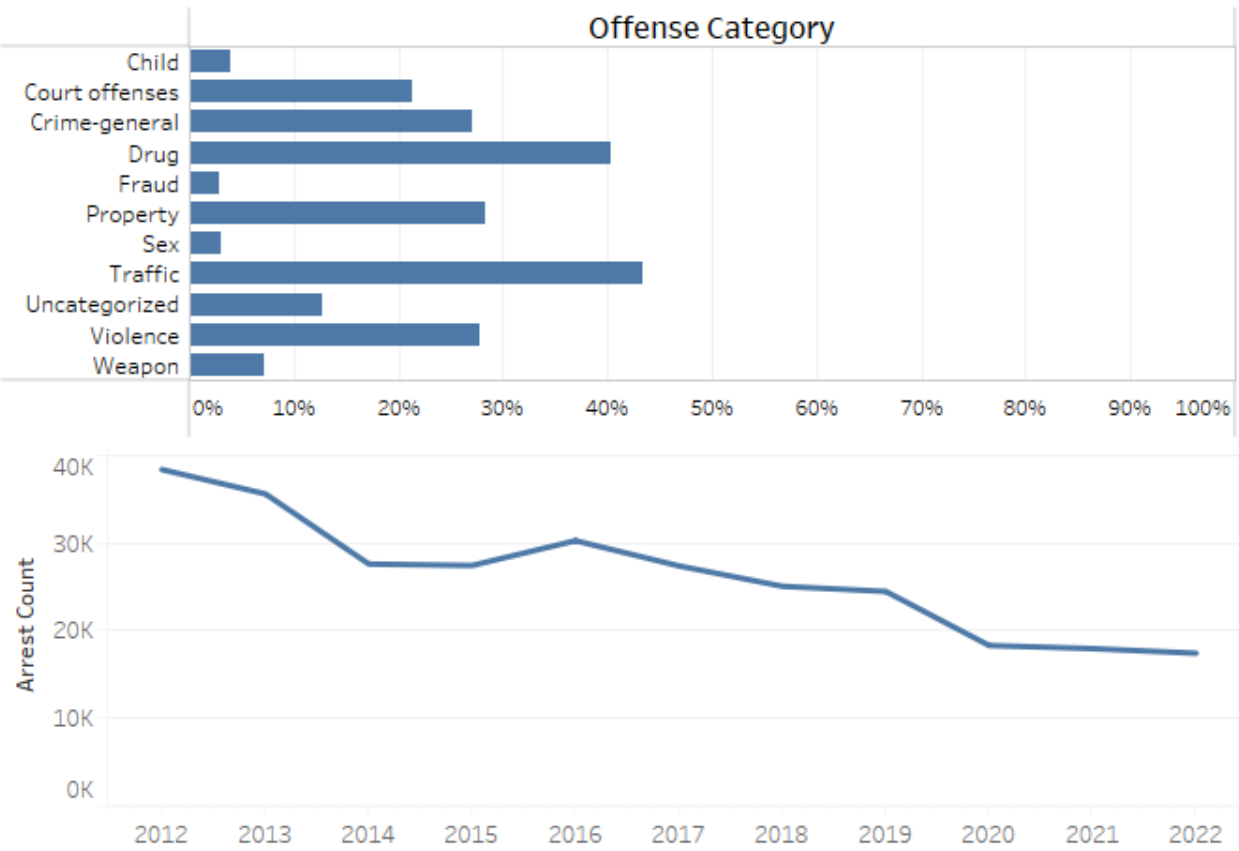
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

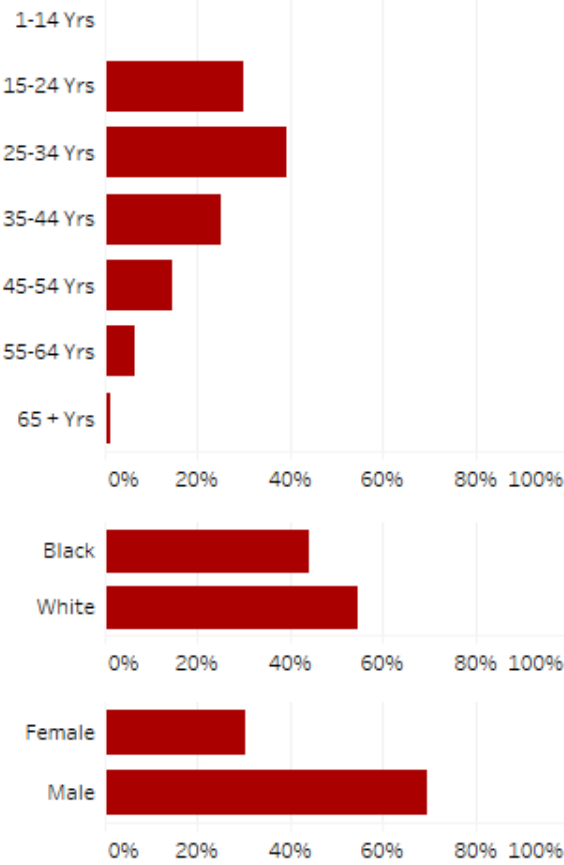
730 2,534



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

2,512

YTD % Difference  
From Previous Year

5.06%

MTD Individuals Arrested  
(May 2023)

254

MTD % Difference  
From Previous Year

12.89%

583 Arrested Individuals per  
10,000 State Residents

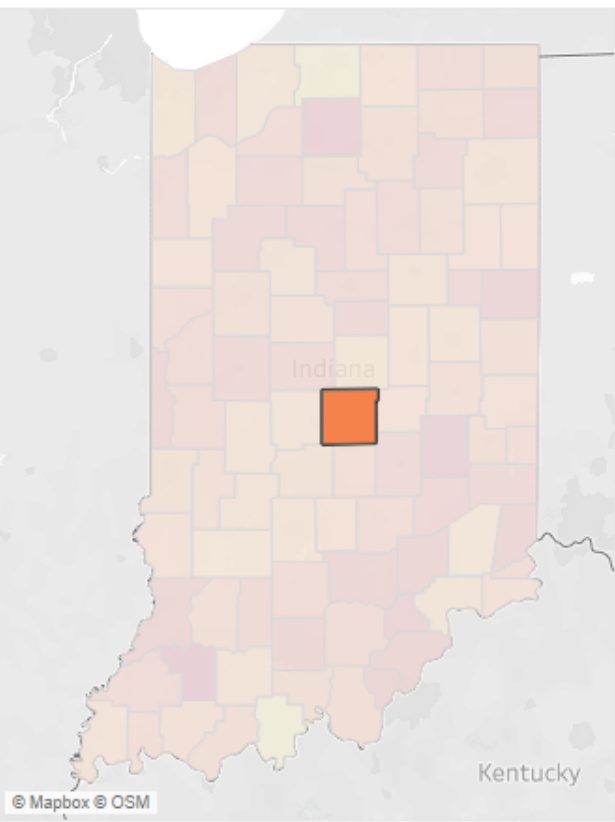
Show...  
Individuals Arrested

Offense Stage  
Most Recent (Arrest or Disposition)

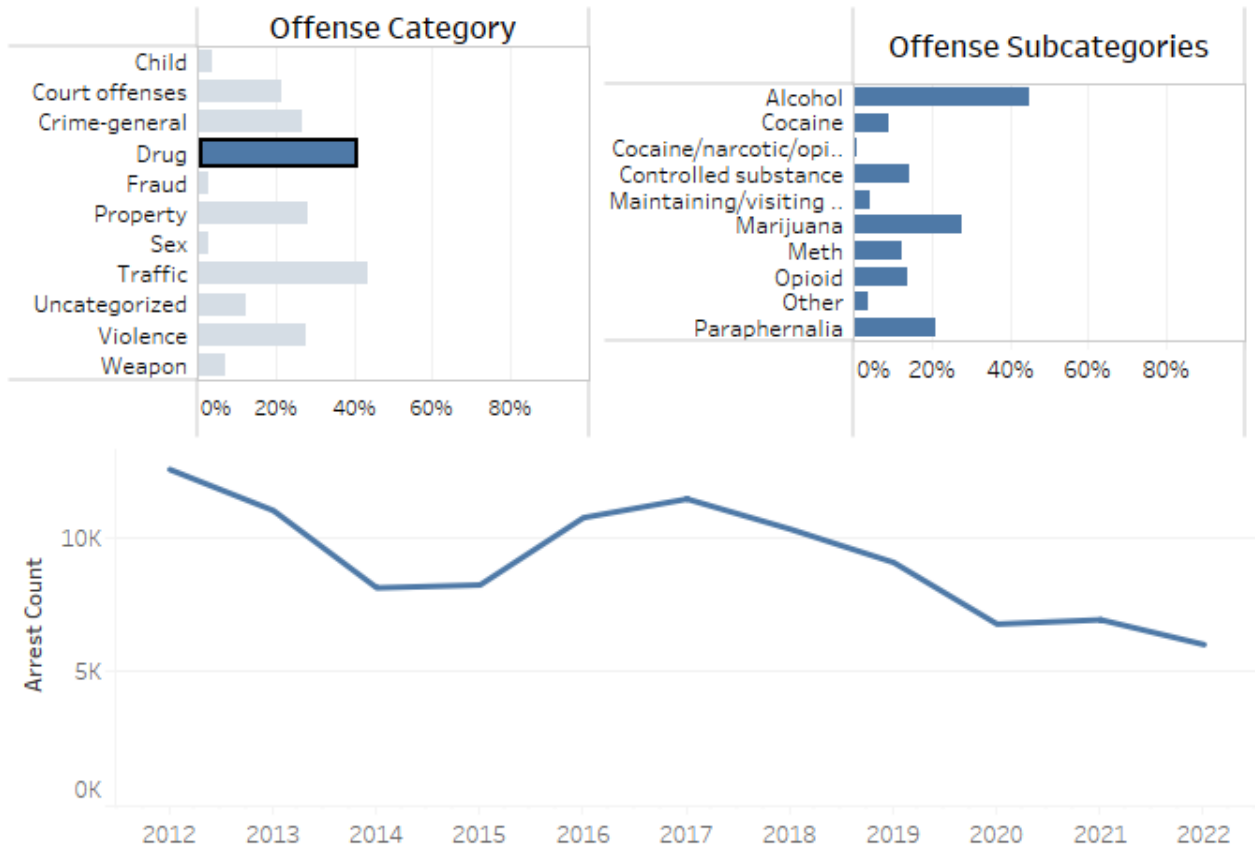
Year  
Multiple values

Heatmap or Line Chart  
Line Chart

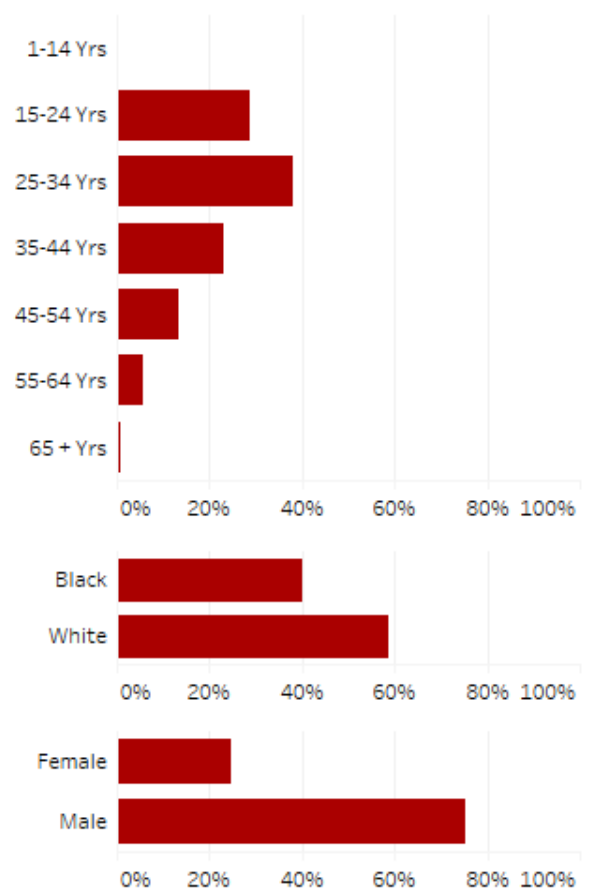
Rate or Count?  
Rate per 10,000 County Residents



Select an Offense Category to see Subcategories



Demographic Information



# Connection Café

- » Fayette
- » 2016 (6.5 years)
- » 8 regular volunteers
- » No membership
- » 600 individuals served in 2021
- » 100 referrals to Tx in 2021



Logistics

# Connection Café

- » Open Tue.-Sat. with varied hours
- » Mobile and central locations
- » Connected to street outreach team
- » + Community support
- » + Legislative support



Logistics

# Connection Café

- » Housing, Wound care
- » Meals, Food pantry
- » Access to Tx, Recovery coaches
- » Vaccinations
- » Showers, Laundry
- » Career services
- » Hep-C, HIV Testing
- » Pro-social activities\*



Additional Services

# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

154

YTD % Difference  
From Previous Year

-21.03%

MTD Individuals Arrested  
(May 2023)

9

MTD % Difference  
From Previous Year

-40.00%

1,191 Arrested Individuals per  
10,000 State Residents

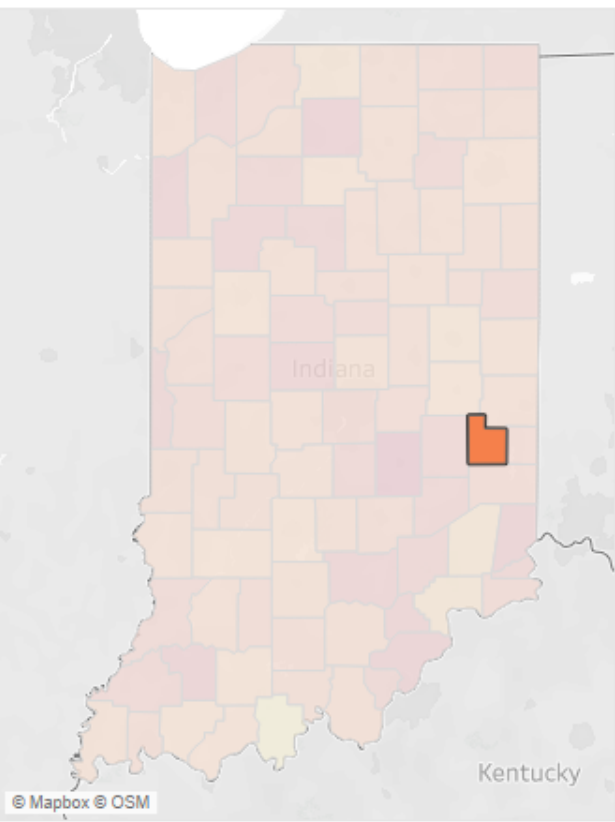
Show...  
Individuals Arrested

Offense Stage  
Most Recent (Arrest or Disposition)

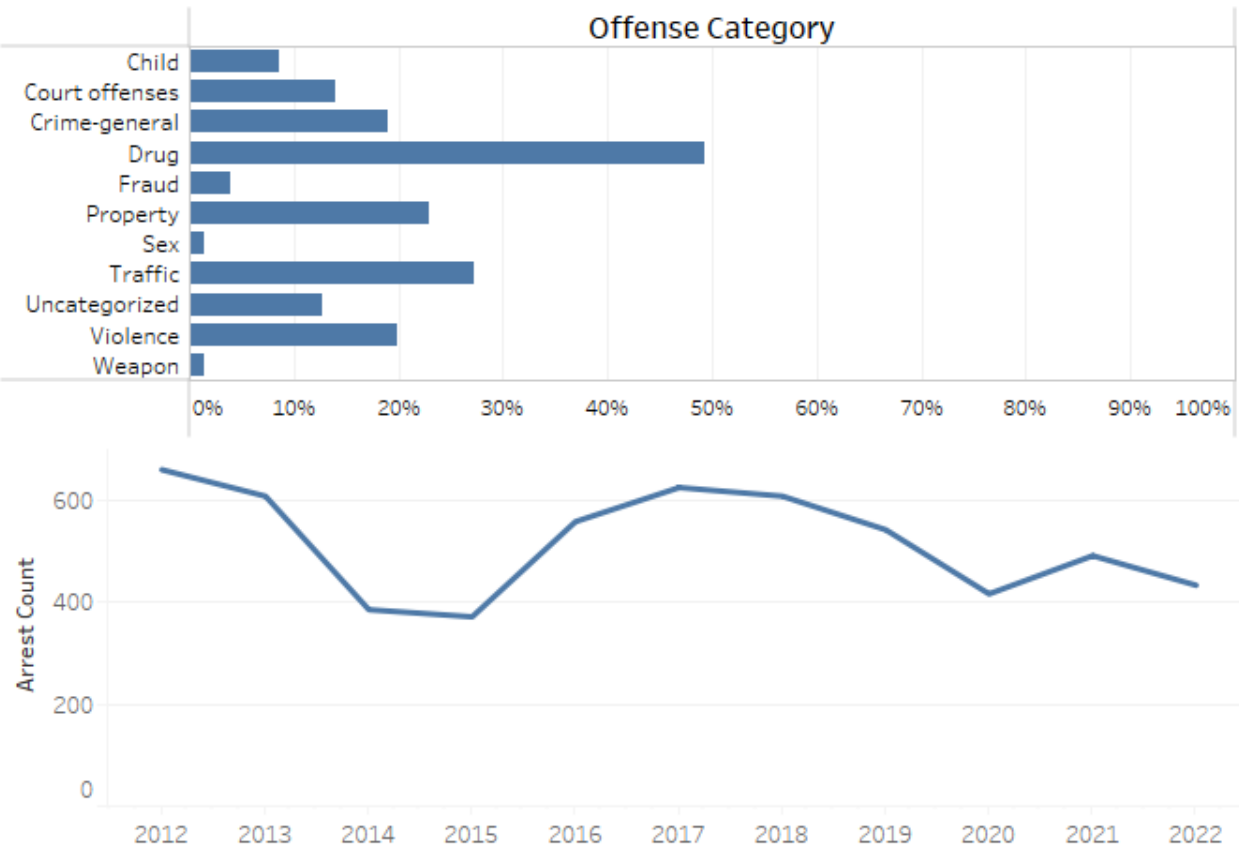
Year  
Multiple values

Heatmap or Line Chart  
Line Chart

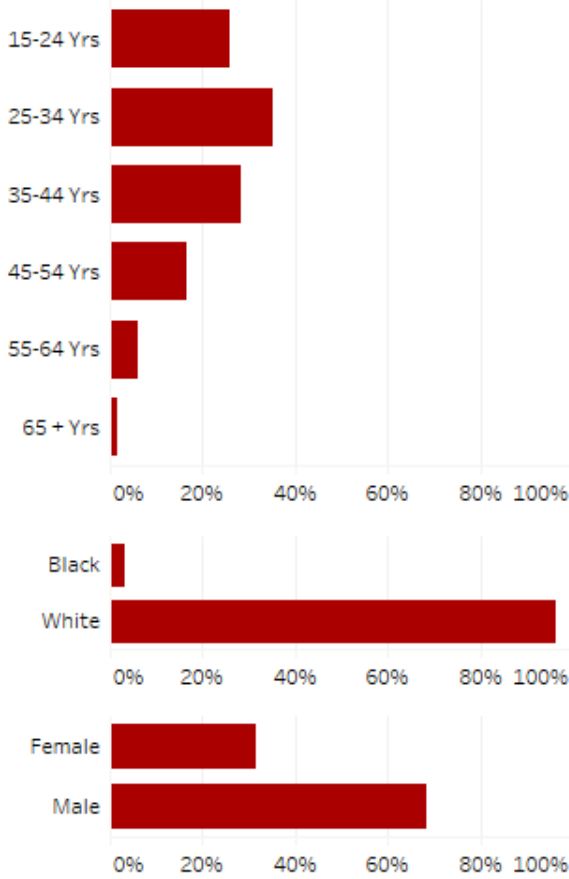
Rate or Count?  
Rate per 10,000 County Residents



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

62

YTD % Difference  
From Previous Year

-30.34%

MTD Individuals Arrested  
(May 2023)

5

MTD % Difference  
From Previous Year

-37.50%

583 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

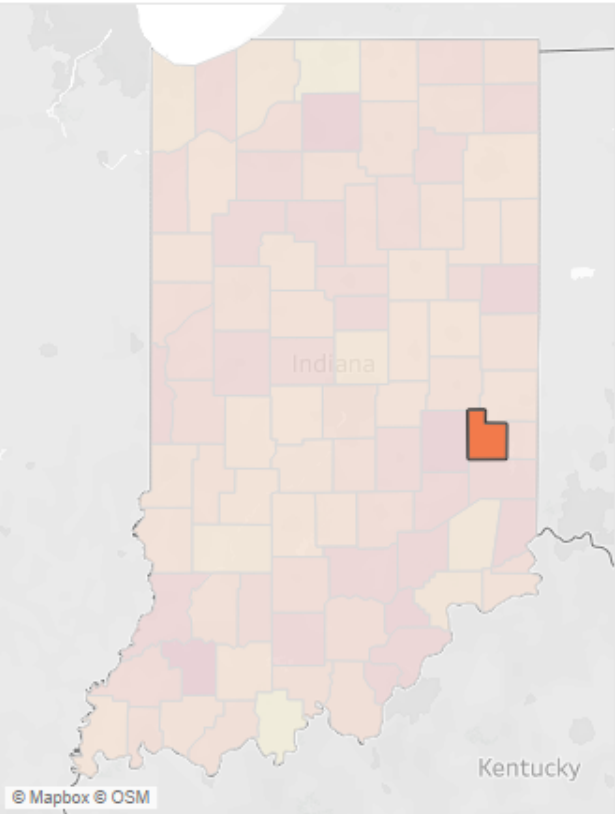
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

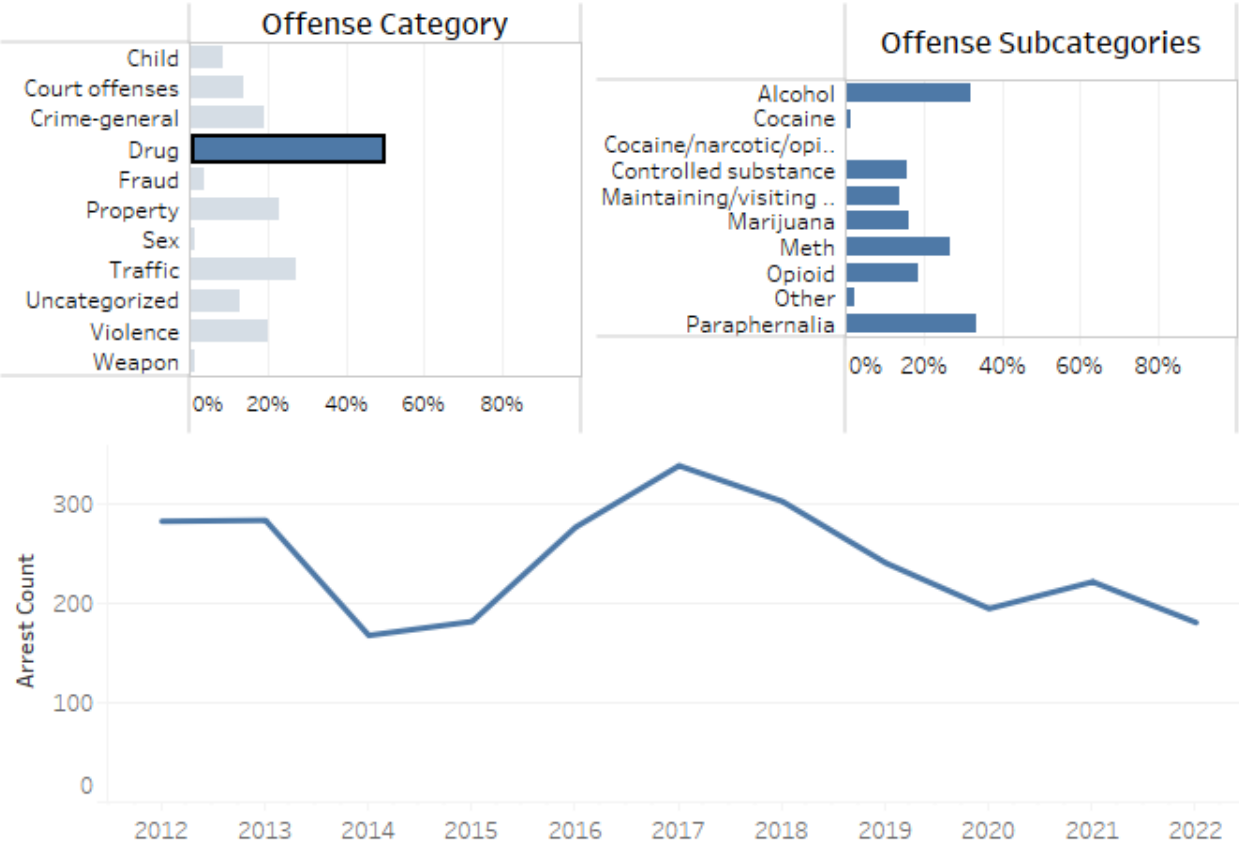
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

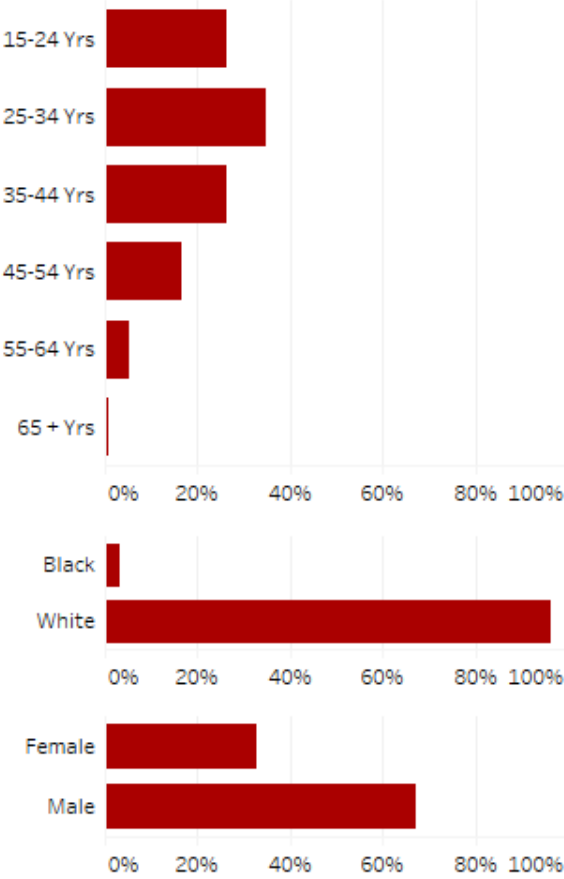
344 1,195



Select an Offense Category to see Subcategories



Demographic Information



# Madison County Harm-Reduction Program

- » Madison County
- » 2018 (4.5 years)
- » 5 pt. employees
- » No membership



Logistics

# Madison County Harm-Reduction Program

- » Open MWF with varied hours
- » Mobile and central locations
- » Services other counties
- » Low community support
- » Neutral legislative support



Logistics

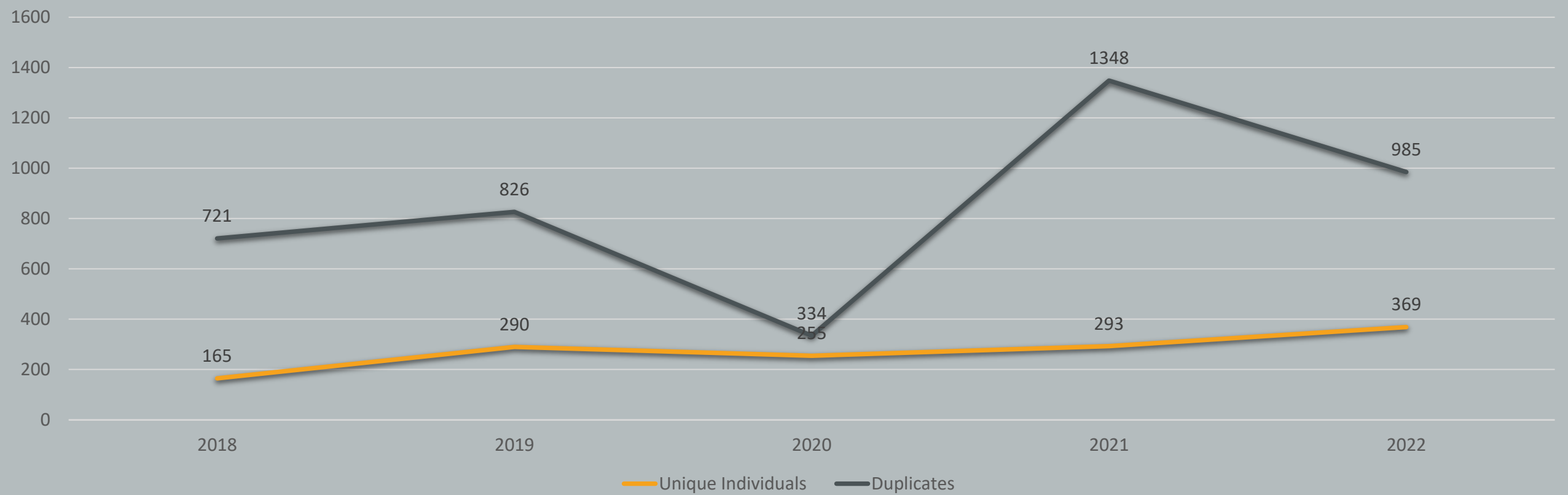
# Madison County Harm-Reduction Program

- » Wound care
- » Recovery coaches
- » Hep-C and HIV testing



Additional Services

## Madison County Service Counts



Madison County Service Outcomes

# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

820

YTD % Difference  
From Previous Year

-3.76%

MTD Individuals Arrested  
(May 2023)

71

MTD % Difference  
From Previous Year

-16.47%

1,191 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

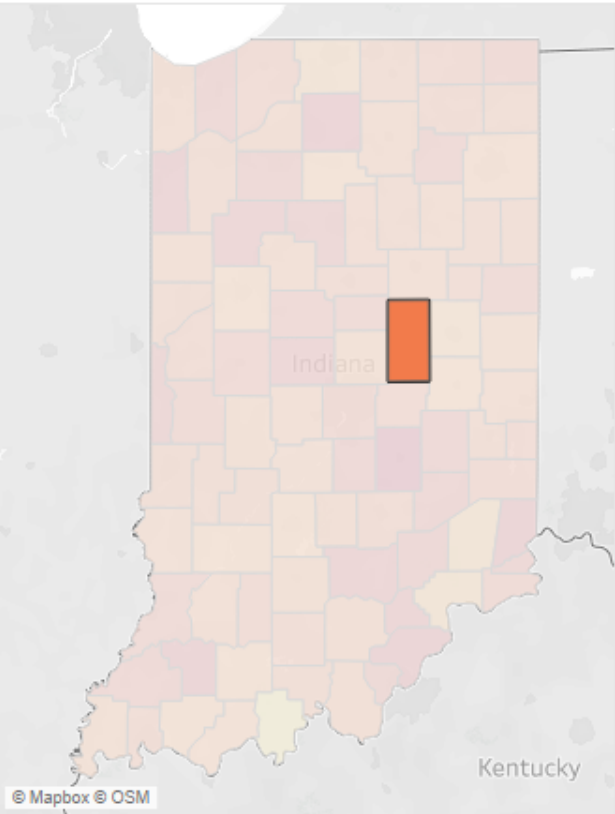
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

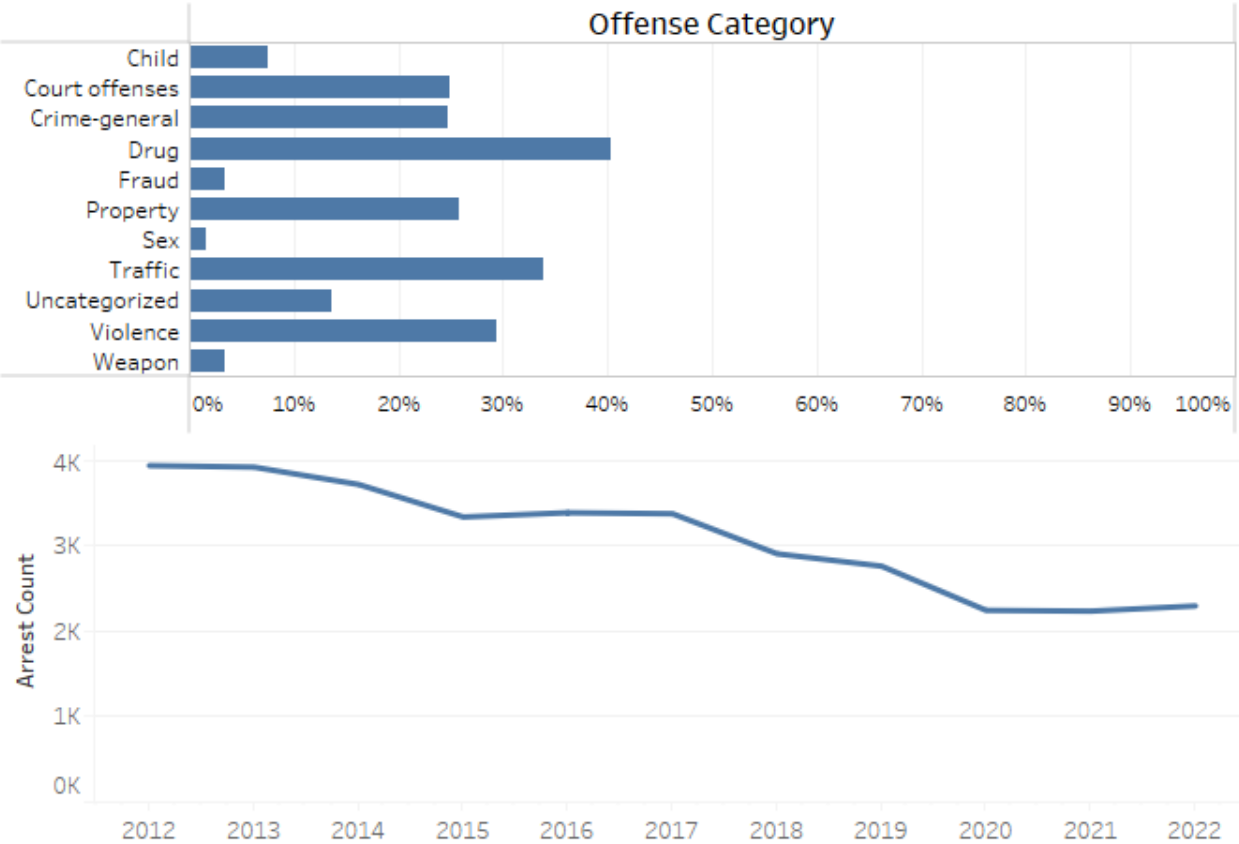
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

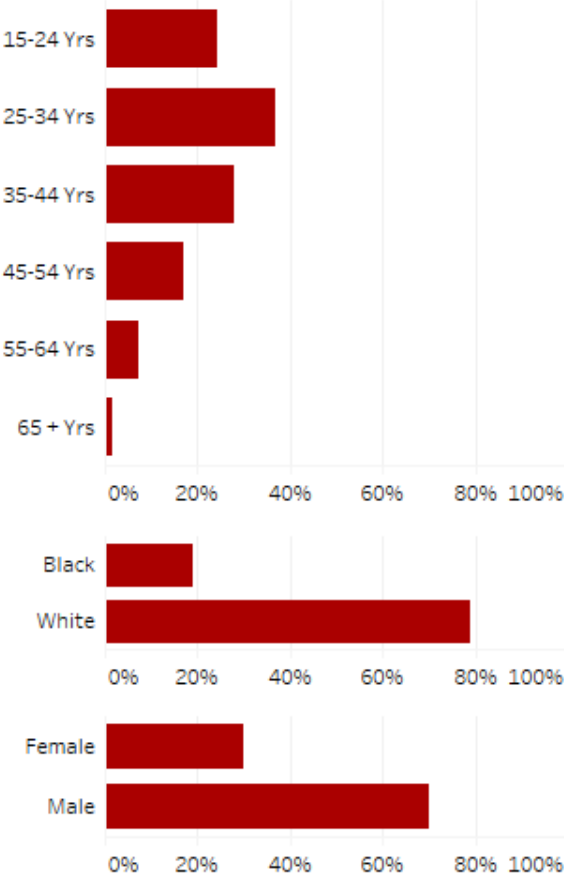
730 2,534



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

231

YTD % Difference  
From Previous Year

-14.76%

MTD Individuals Arrested  
(May 2023)

17

MTD % Difference  
From Previous Year

-41.38%

583 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

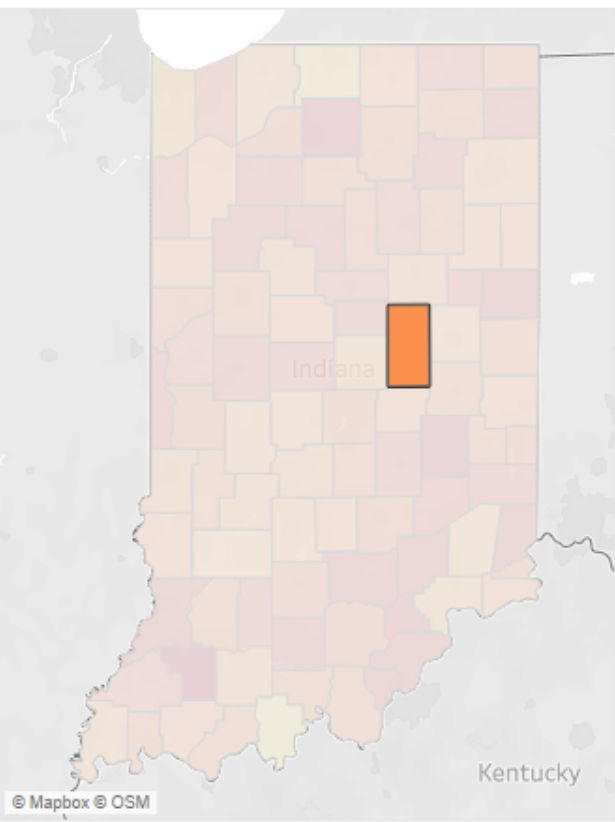
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

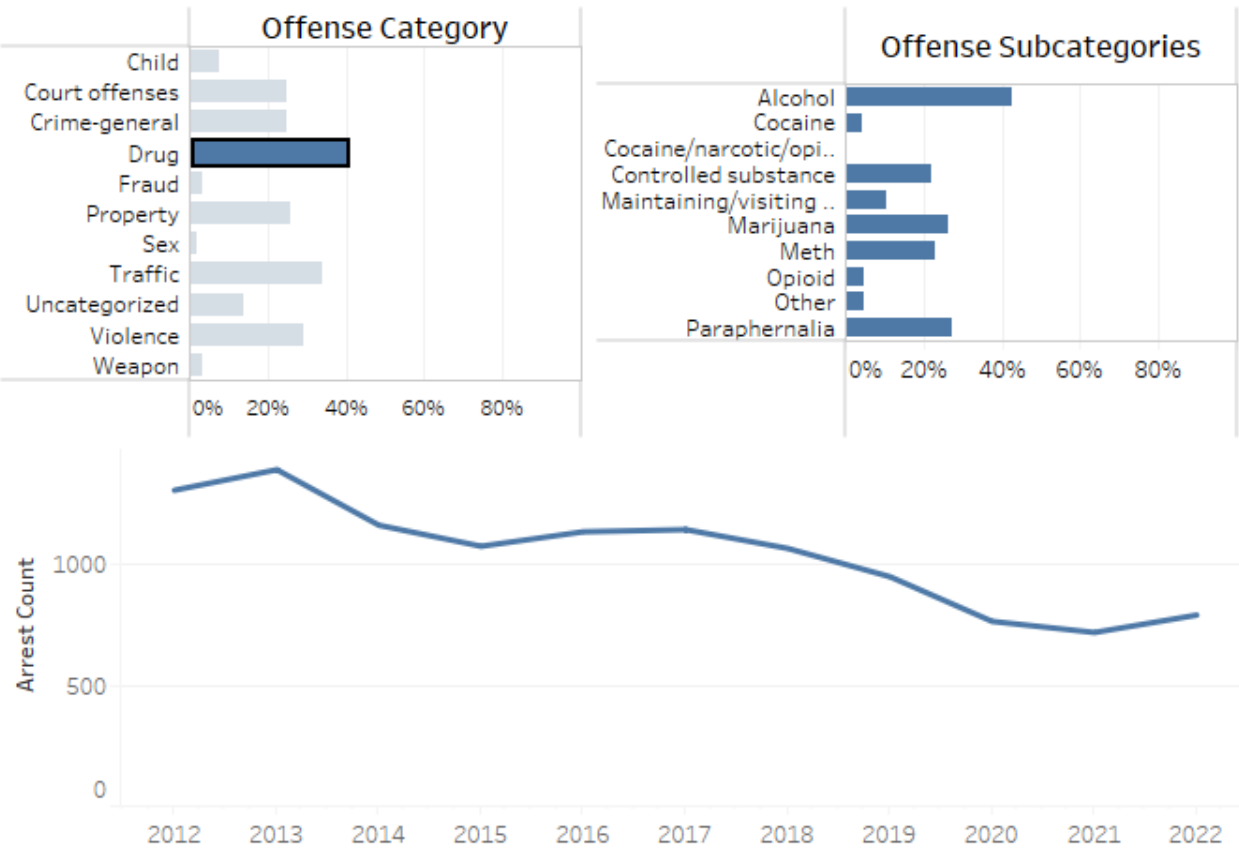
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

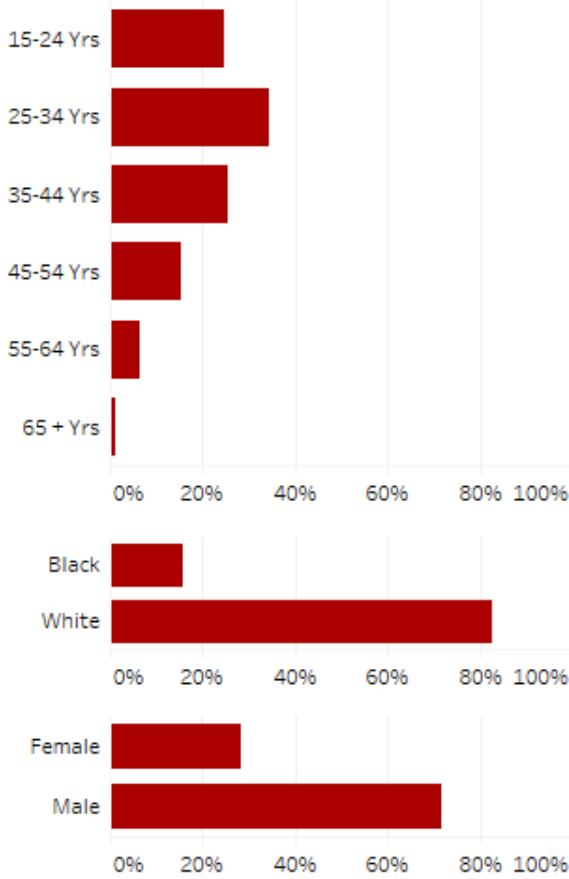
344 1,195



Select an Offense Category to see Subcategories



Demographic Information



# Gateway to Hope Syringe Service Program

- » Tippecanoe County
- » 2017 (5.5 years)
- » 850 individuals served in 2022
- » 500 referrals to Tx made in 2022
- » 3 employees
- » 2-4 volunteers
- » No membership



Logistics

# Gateway to Hope Syringe Service Program

- » Open Tue., Wed., Fri., Sat. with varied hours
- » Mobile and central locations
- » Connected to street outreach team
- » Services other counties
- » + community support
- » + legislative support



Logistics

# Gateway to Hope Syringe Service Program

- » Housing
- » Wound care
- » Tx access, Recovery coaches
- » Vaccinations, MATS
- » Showers, Laundry
- » Career development
- » HIV, Hep-C, STI testing
- » \*clothing, transportation



Additional Services

# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

1,239

YTD % Difference  
From Previous Year

6.17%

MTD Individuals Arrested  
(May 2023)

113

MTD % Difference  
From Previous Year

-10.32%

1,191 Arrested Individuals per  
10,000 State Residents

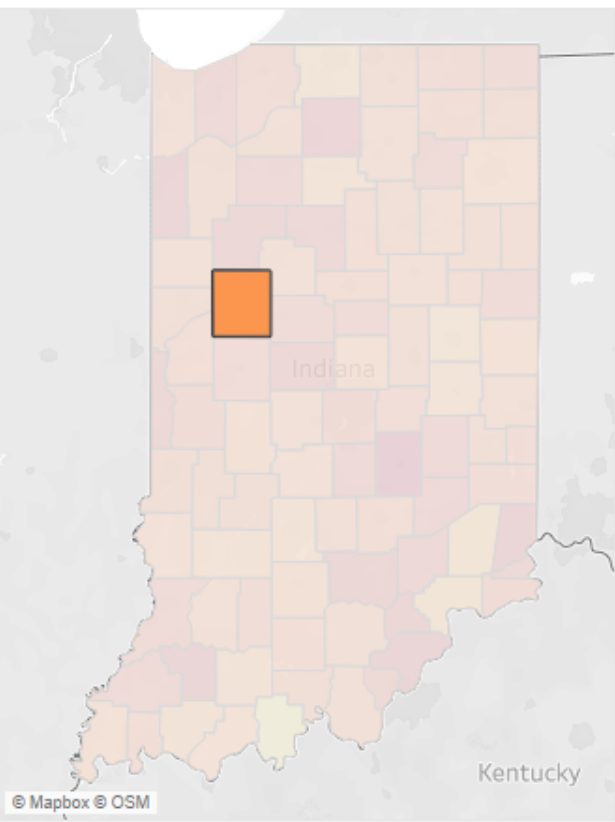
Show...  
Individuals Arrested

Offense Stage  
Most Recent (Arrest or Disposition)

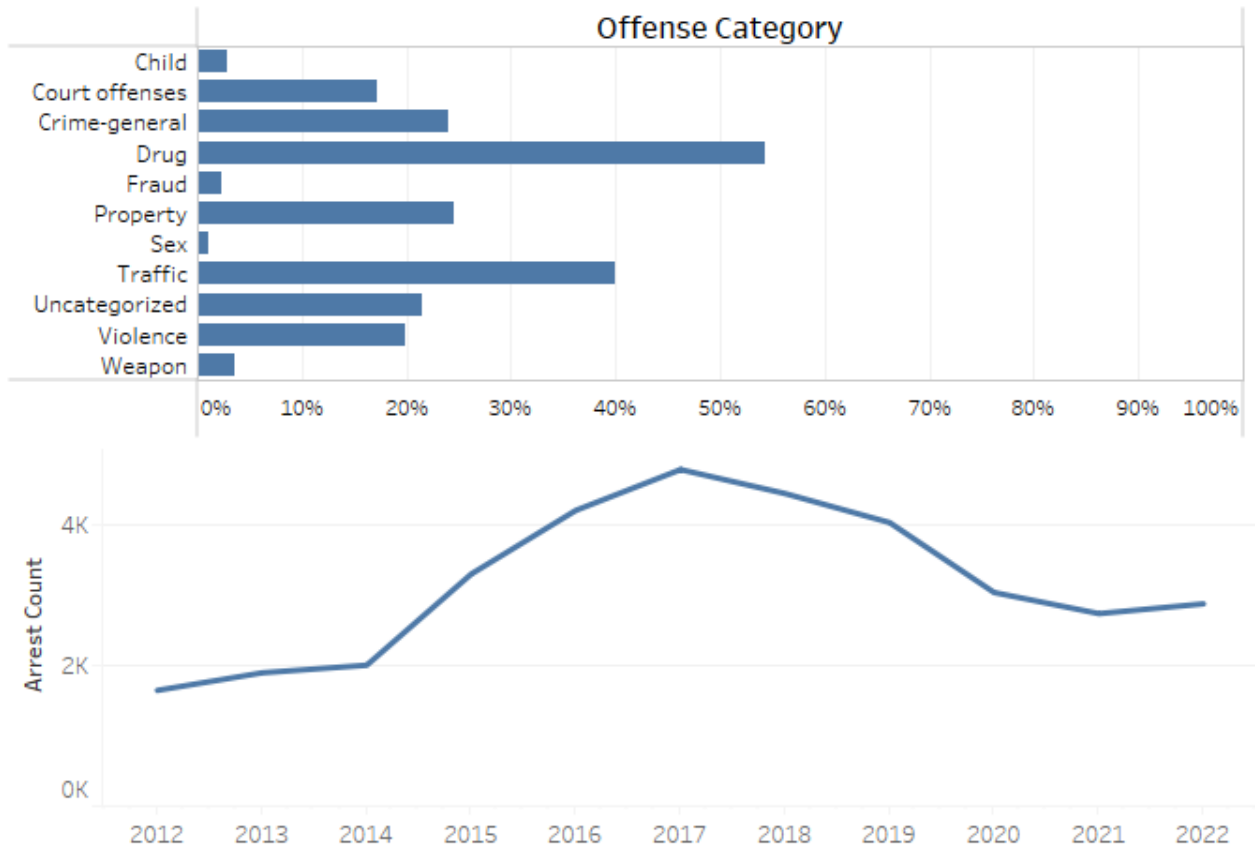
Year  
Multiple values

Heatmap or Line Chart  
Line Chart

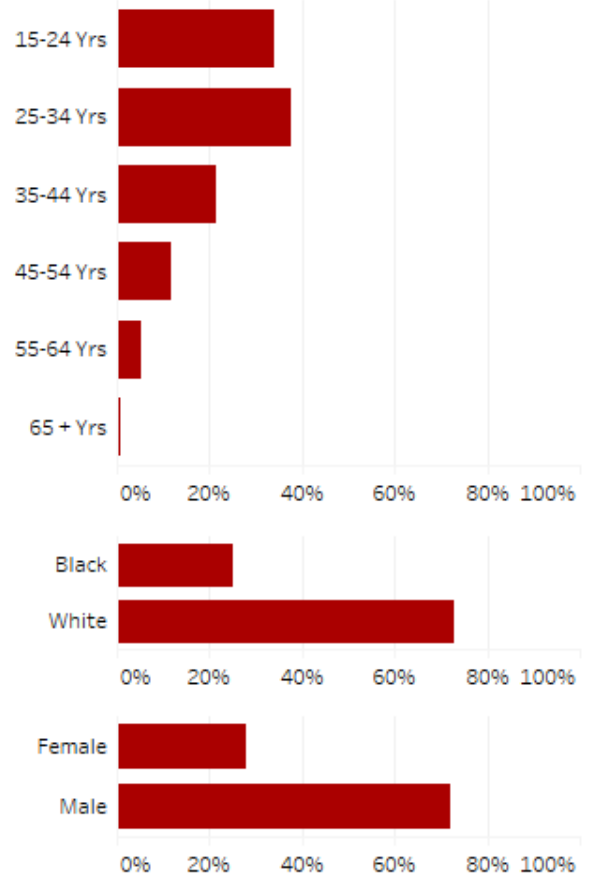
Rate or Count?  
Rate per 10,000 County Residents



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

595

YTD % Difference  
From Previous Year

-8.04%

MTD Individuals Arrested  
(May 2023)

48

MTD % Difference  
From Previous Year

-28.36%

583 Arrested Individuals per  
10,000 State Residents

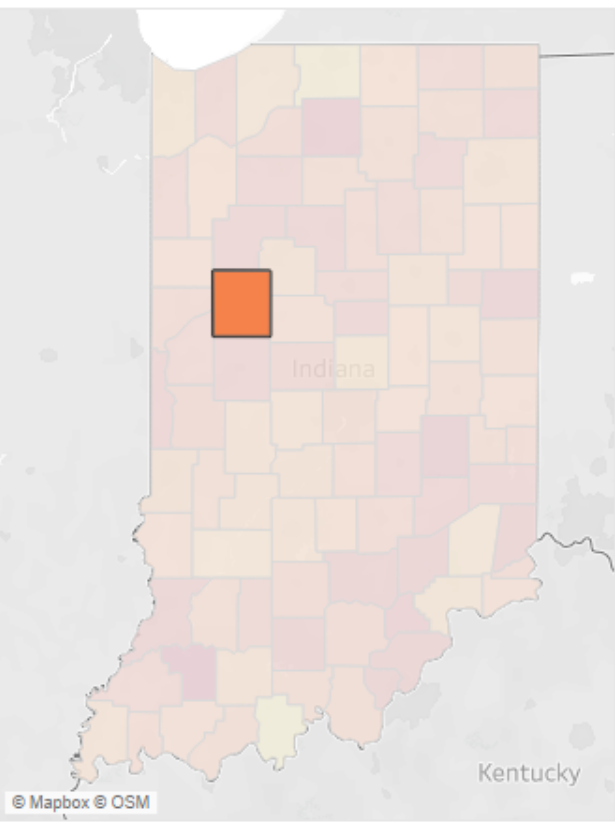
Show...  
Individuals Arrested

Offense Stage  
Most Recent (Arrest or Disposition)

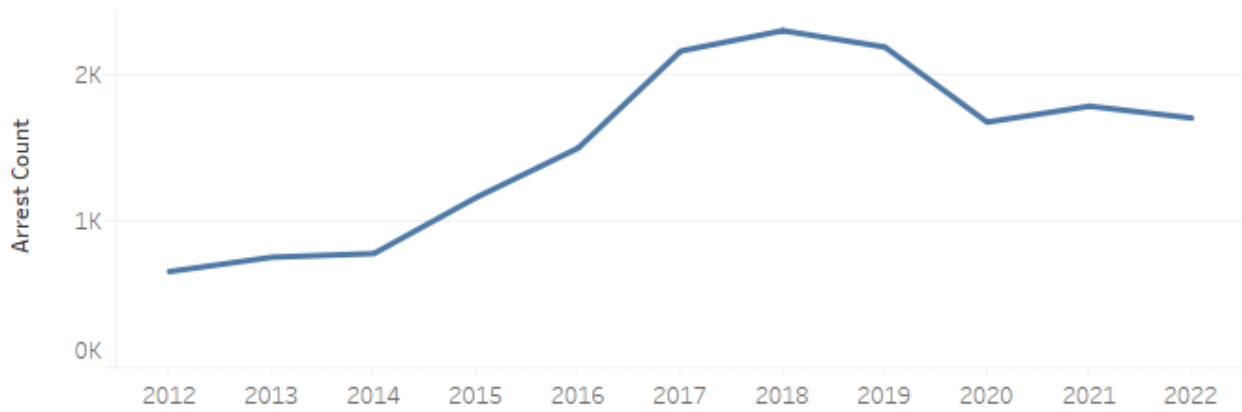
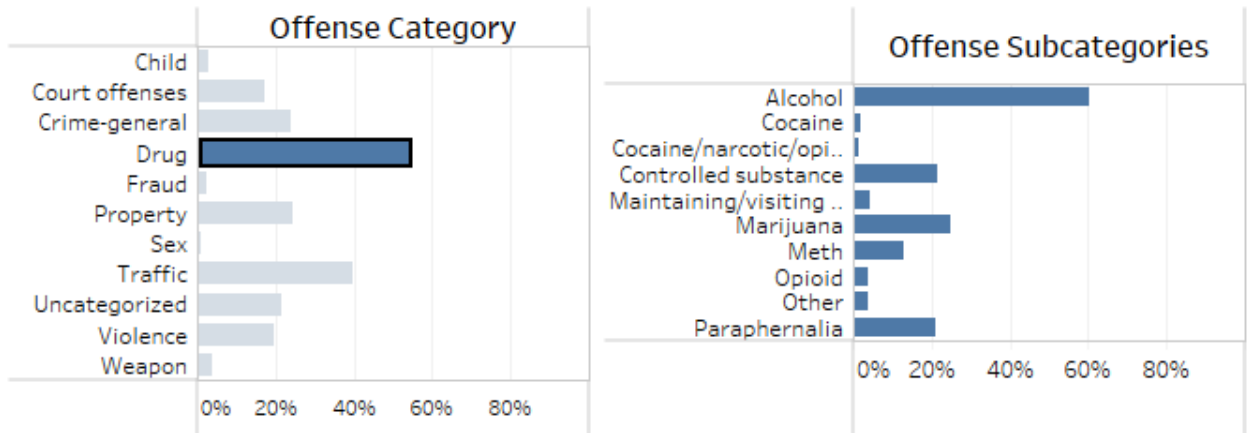
Year  
Multiple values

Heatmap or Line Chart  
Line Chart

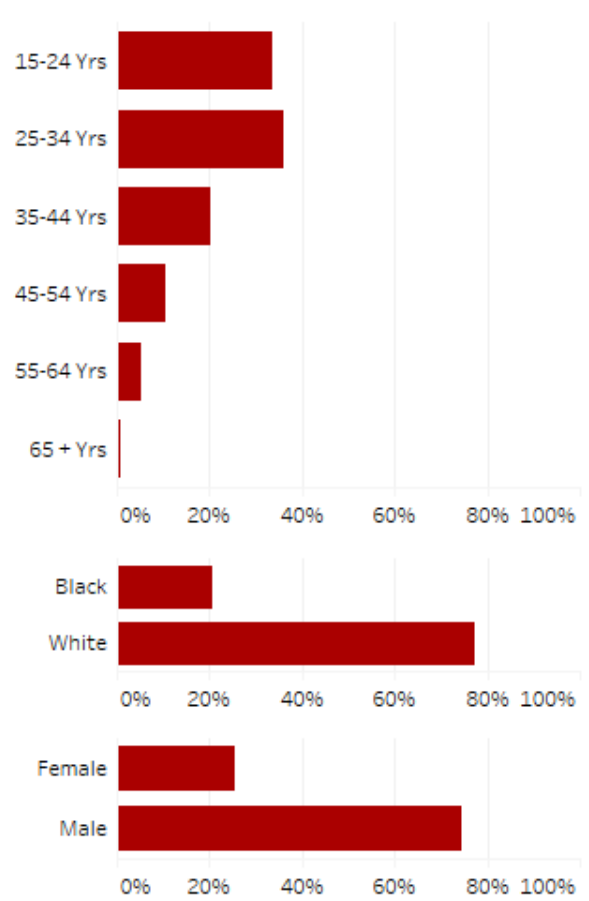
Rate or Count?  
Rate per 10,000 County Residents



Select an Offense Category to see Subcategories



Demographic Information



# Clark County Health Department Syringe Service Program

- » Clark County
- » 2017 (5.5 years)
- » Requires membership
- » Open M-F 9:00-3:00
- » Central location



Logistics

# Clark County Health Department Syringe Service Program

- » Connected to street outreach team
- » Services other counties
- » Neutral community support
- » Neutral legislative support



Logistics

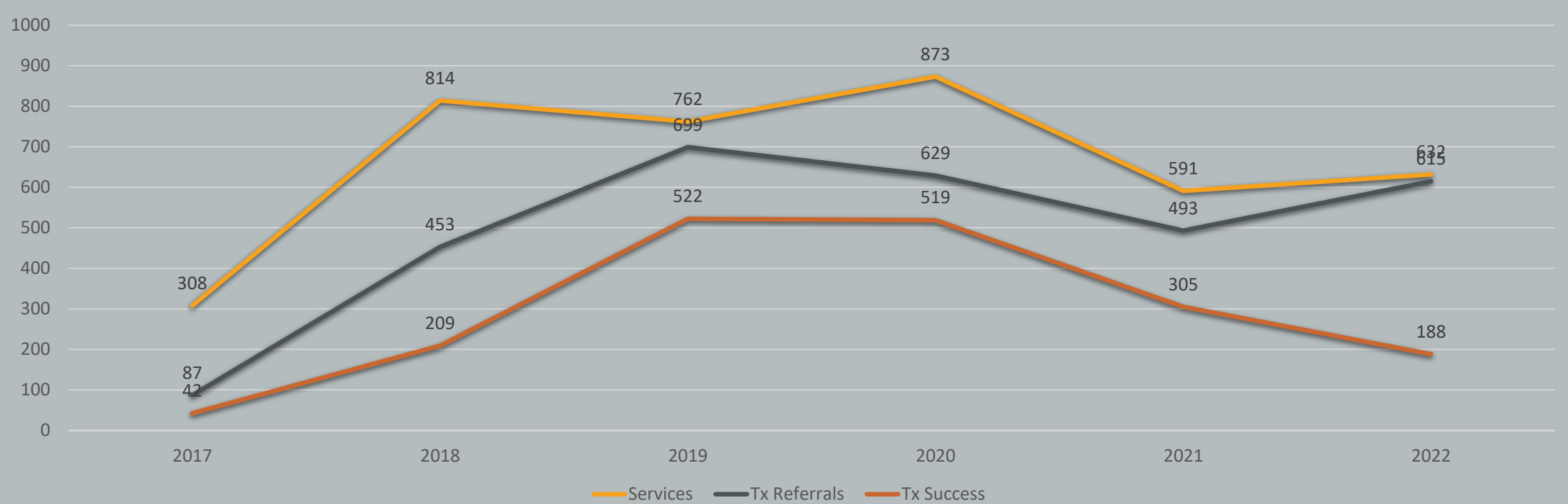
# Clark County Health Department Syringe Service Program

- » Wound care
- » Vaccinations
- » HIV, Hep-C, STI testing



Additional Services

## Clark County Service Counts



Clark County Service Outcomes

# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

747

YTD % Difference  
From Previous Year

433.57%

MTD Individuals Arrested  
(May 2023)

71

MTD % Difference  
From Previous Year

3450.00%

1,191 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

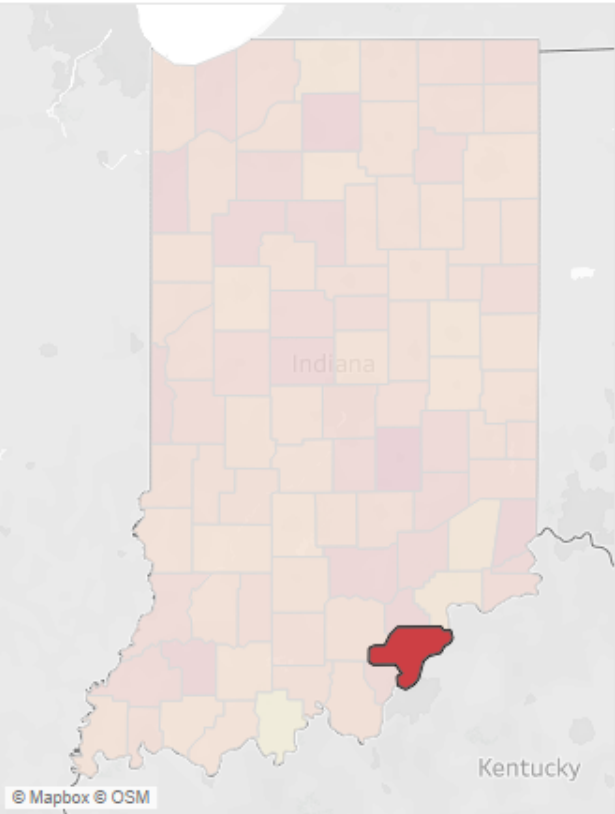
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

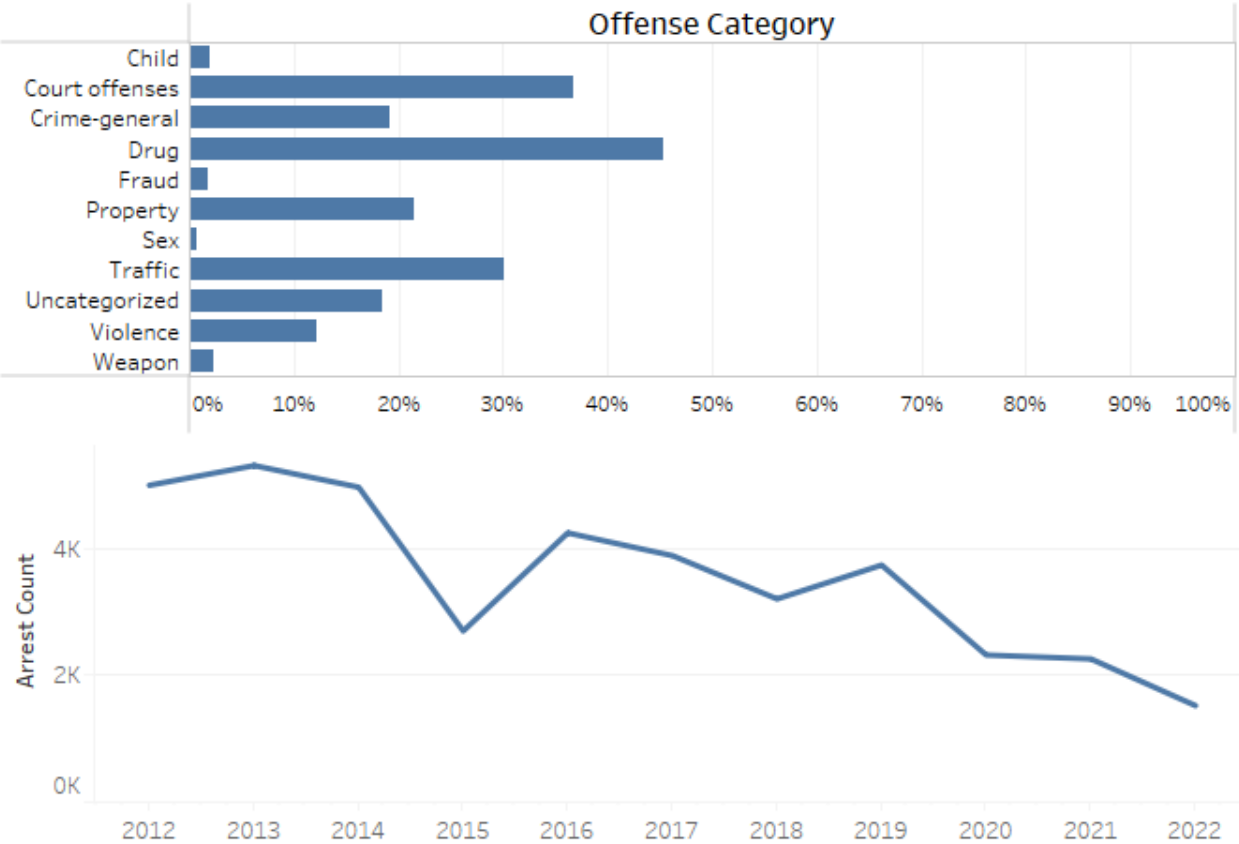
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

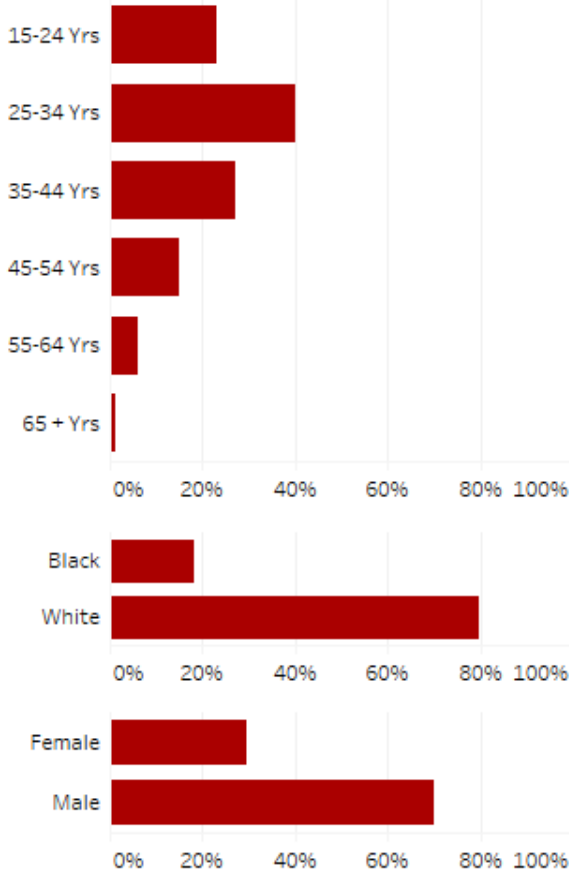
730 2,534



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

182

YTD % Difference  
From Previous Year

420.00%

MTD Individuals Arrested  
(May 2023)

22

MTD % Difference  
From Previous Year

2100.00%

583 Arrested Individuals per  
10,000 State Residents

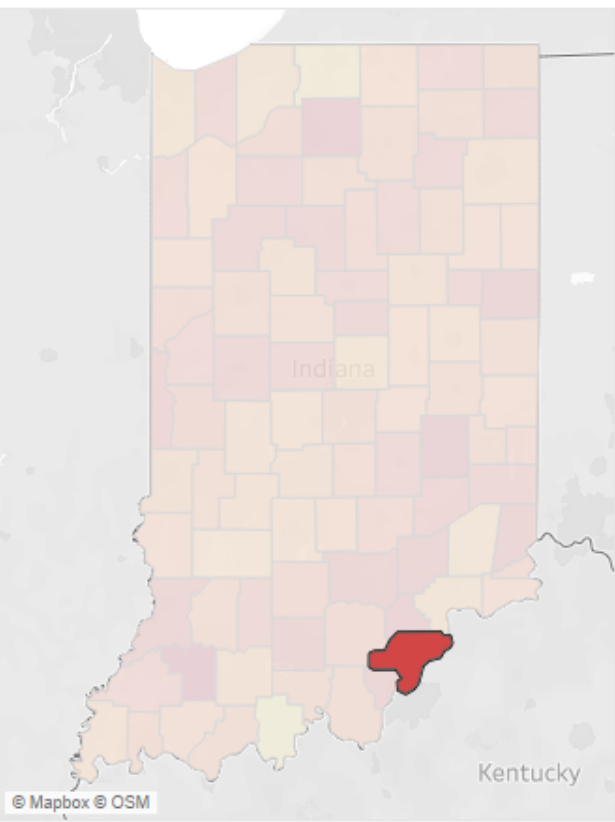
Show...  
Individuals Arrested

Offense Stage  
Most Recent (Arrest or Disposition)

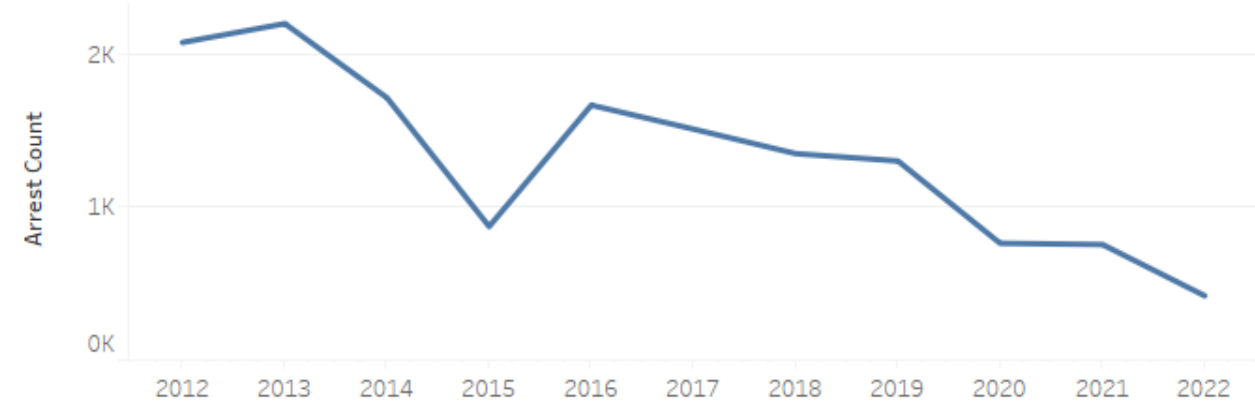
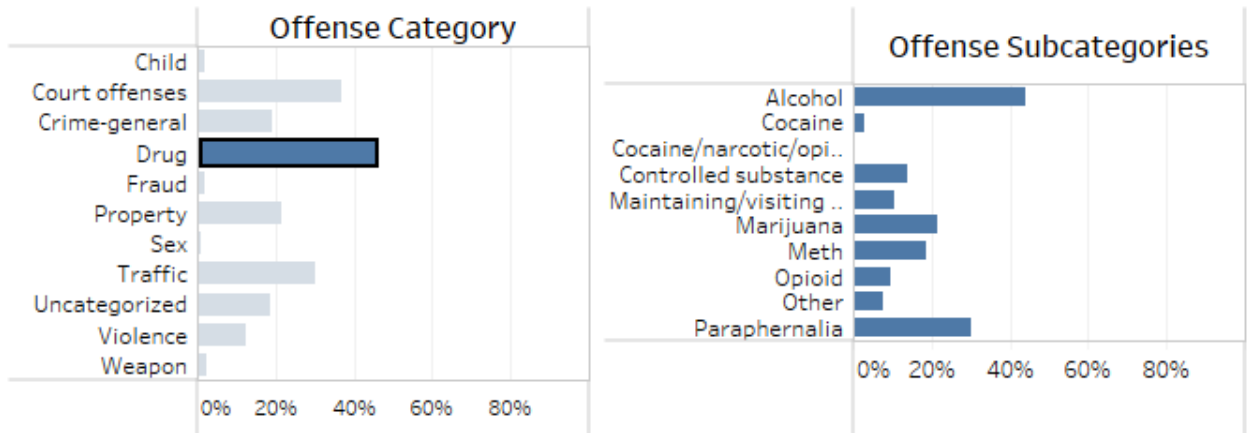
Year  
Multiple values

Heatmap or Line Chart  
Line Chart

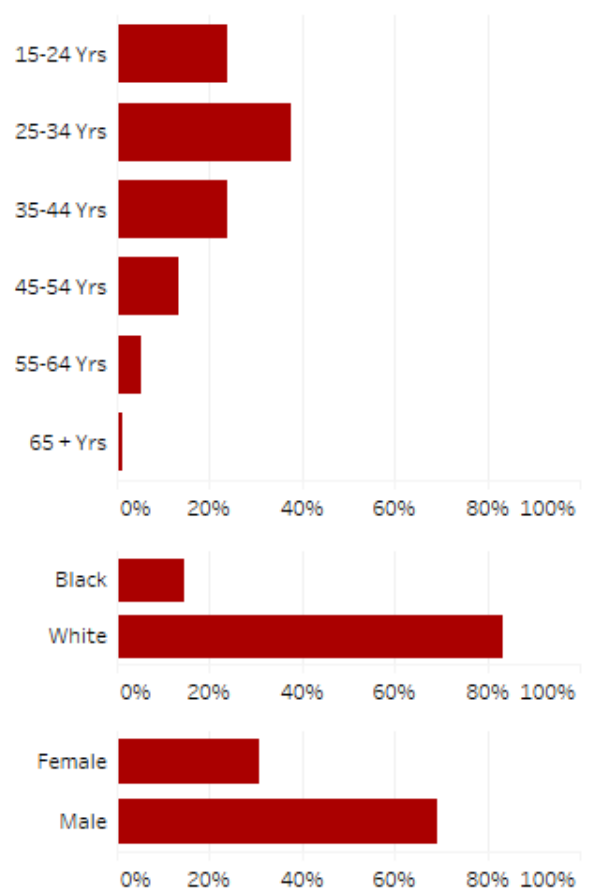
Rate or Count?  
Rate per 10,000 County Residents



Select an Offense Category to see Subcategories



Demographic Information



# Allen County Health Department Syringe Service Program

- » Allen County
- » 2016 (6.5 years)
- » 5 employees
- » No membership
- » Open Tue. 1:00-3:30
- » Central location
- » Services other counties
- » + Community support
- » + Legislative support



Logistics

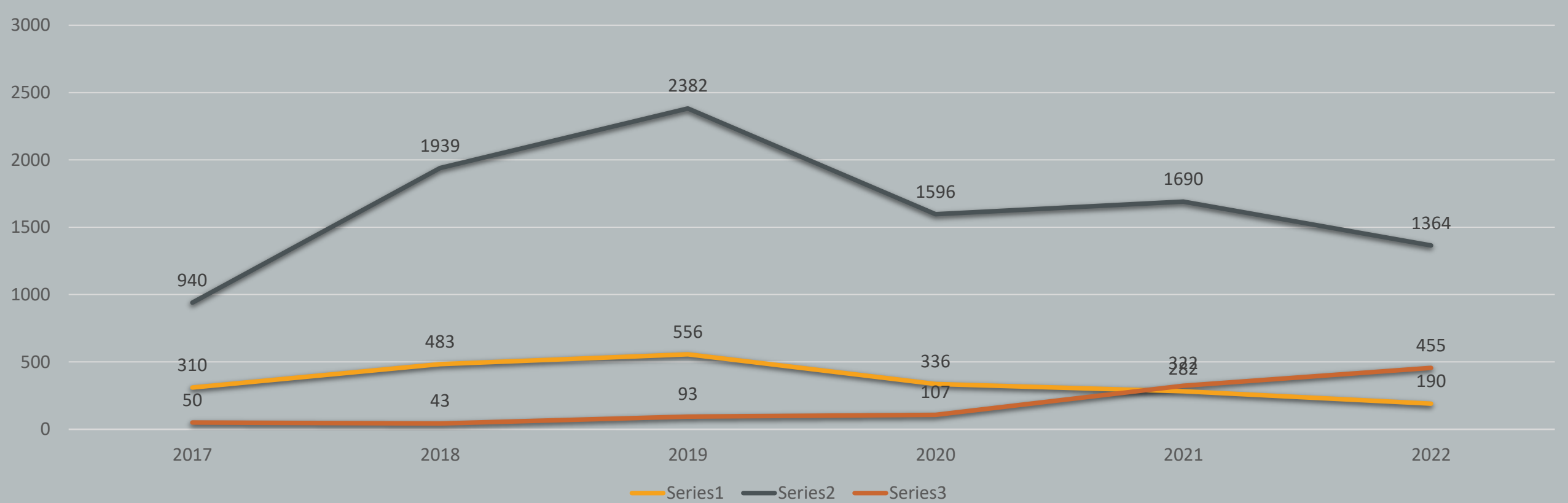
# Allen County Health Department Syringe Service Program

- » Wound care
- » Tx access
- » Vaccinations
- » HIV, Hep-C, STI testing
- » Insurance navigation\*



Additional Services

## Allen County Service Counts



Allen County Service Outcomes

# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

3,052

YTD % Difference  
From Previous Year

1.50%

MTD Individuals Arrested  
(May 2023)

343

MTD % Difference  
From Previous Year

-3.65%

1,191 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

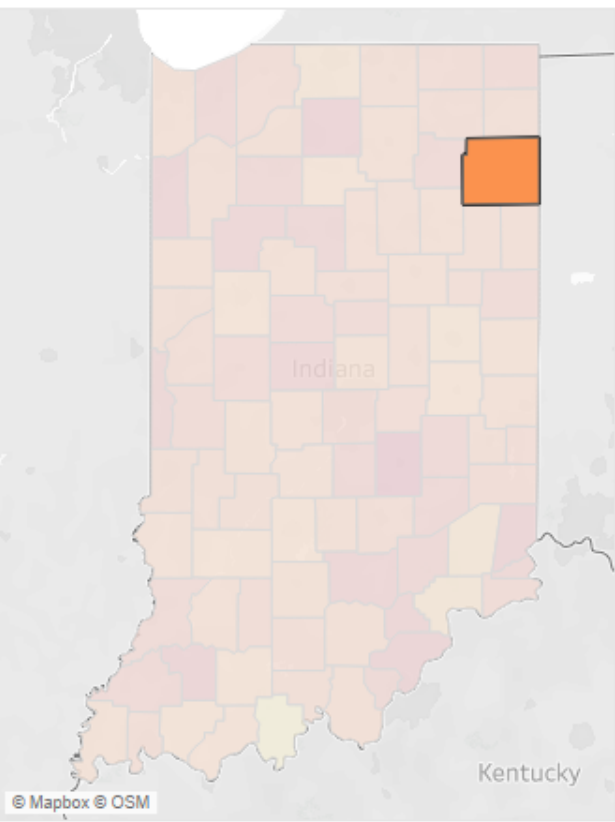
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

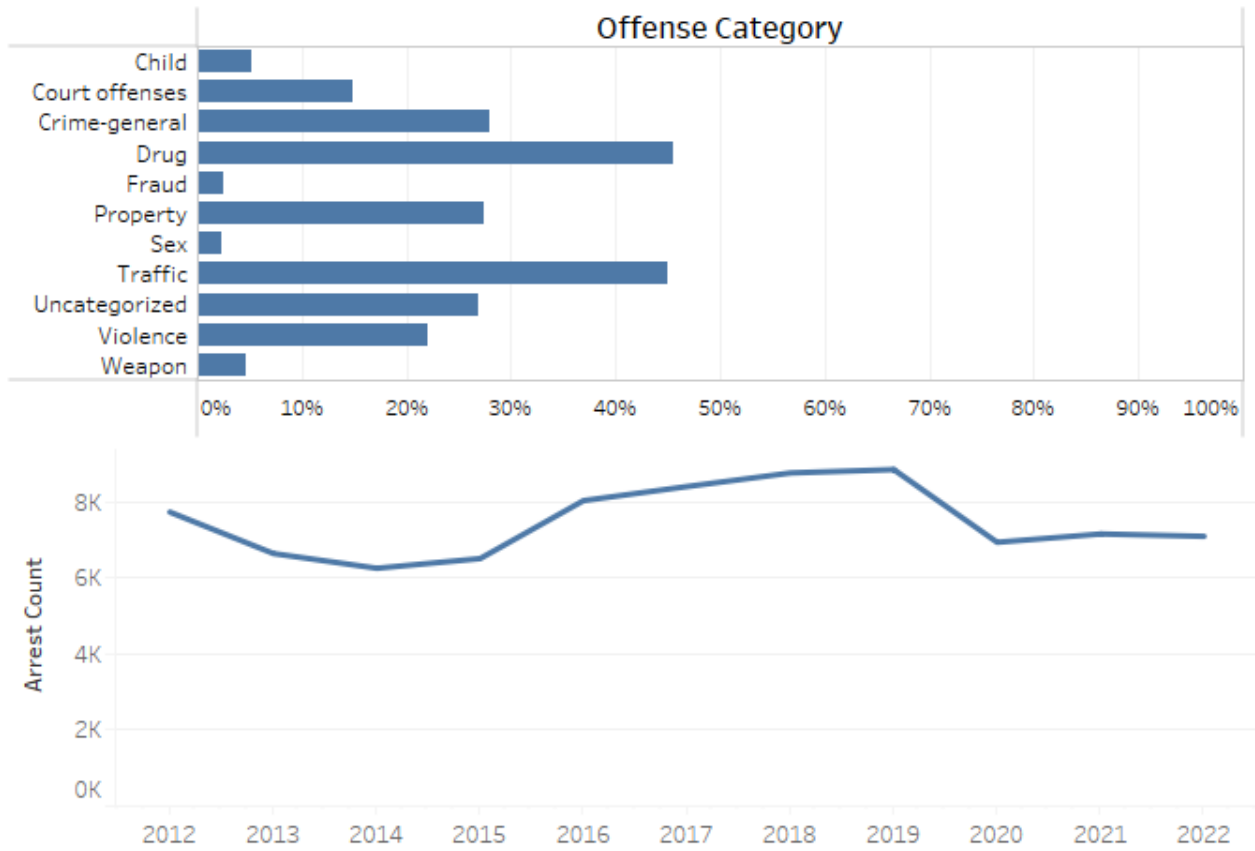
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

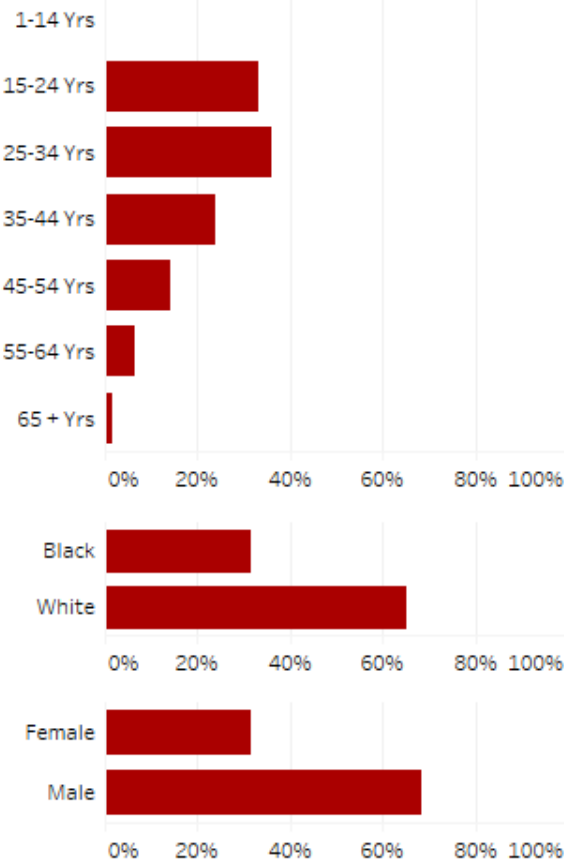
730 2,534



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

963

YTD % Difference  
From Previous Year

5.82%

MTD Individuals Arrested  
(May 2023)

122

MTD % Difference  
From Previous Year

11.93%

583 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

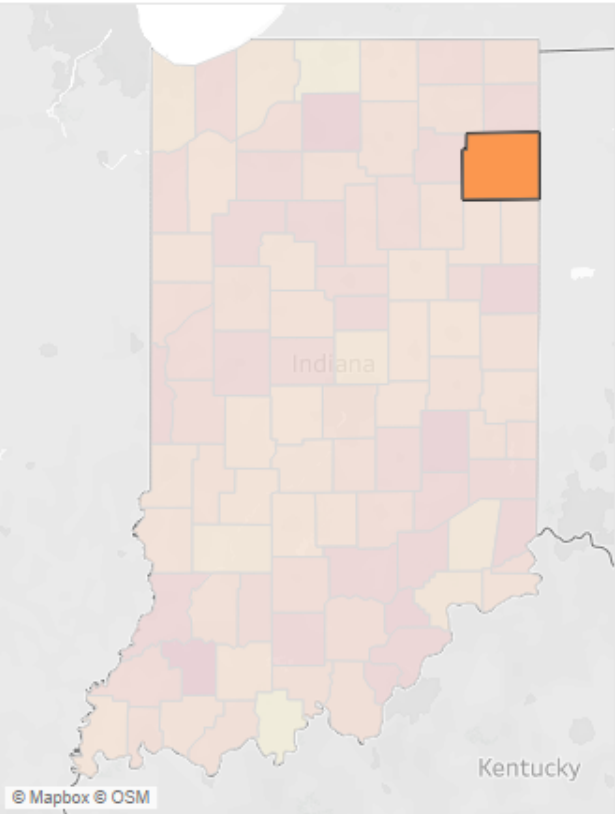
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

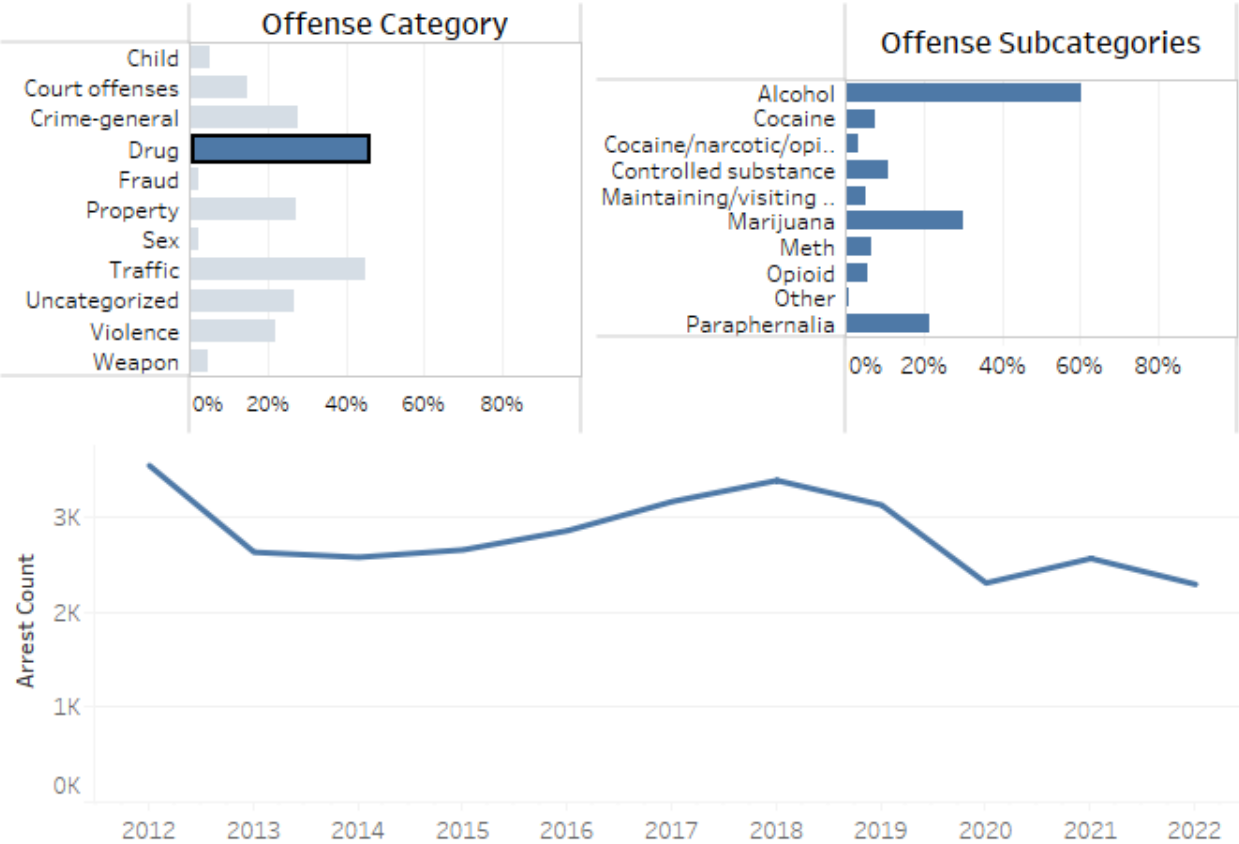
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

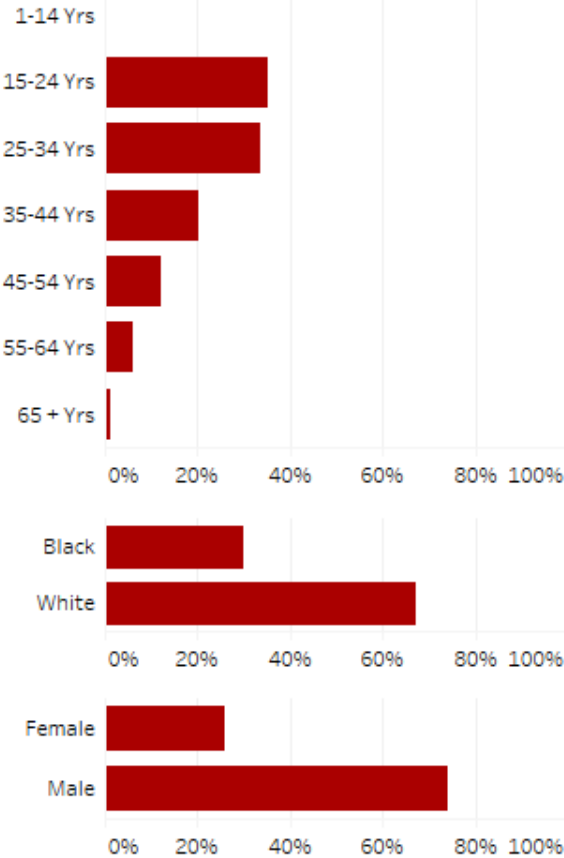
344 1,195



Select an Offense Category to see Subcategories



Demographic Information



# Wayne County Syringe Service Program

- » Wayne County
- » 2016 (6.5 years)
- » 3 employees
- » 5 regular volunteers
- » No membership
- » Open T/TR with varied hours
- » Central location



Logistics

# Wayne County Syringe Service Program

- » Services other counties
- » Low community support
- » Neutral legislative support



Logistics

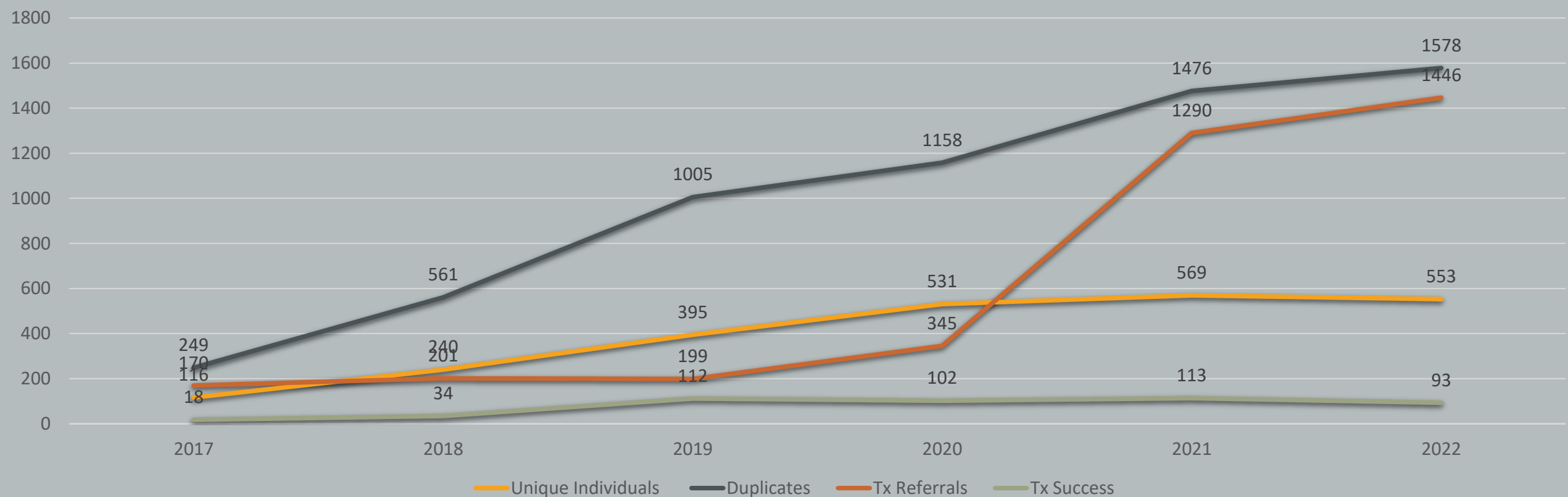
# Wayne County Syringe Service Program

- » Housing assistance
- » Wound care
- » Meals
- » Access to Tx, Recovery Coaches
- » Vaccinations
- » HIV, Hep-C, STI testing & Tx\*



Additional Services

# Wayne County Service Counts



Wayne County Service Outcomes

# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

421

YTD % Difference  
From Previous Year

-26.91%

MTD Individuals Arrested  
(May 2023)

32

MTD % Difference  
From Previous Year

-36.00%

1,191 Arrested Individuals per  
10,000 State Residents

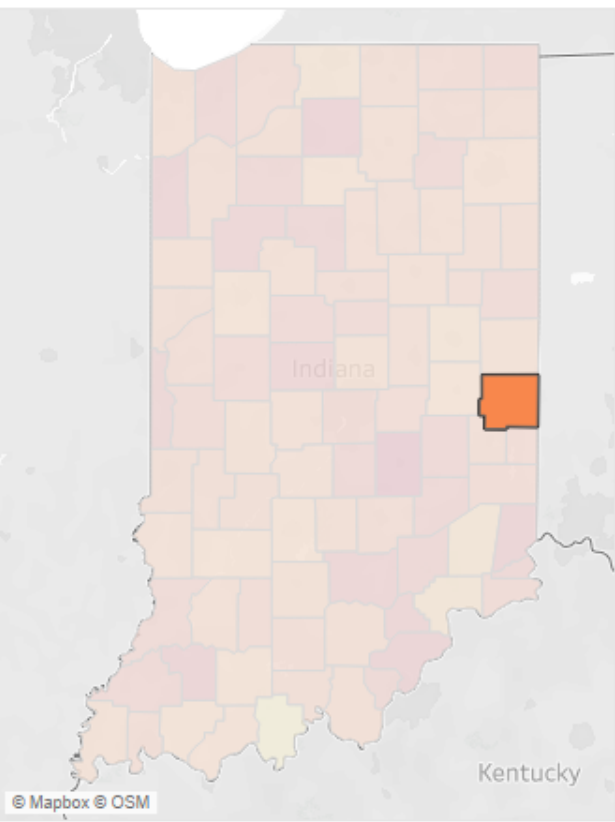
Show...  
Individuals Arrested

Offense Stage  
Most Recent (Arrest or Disposition)

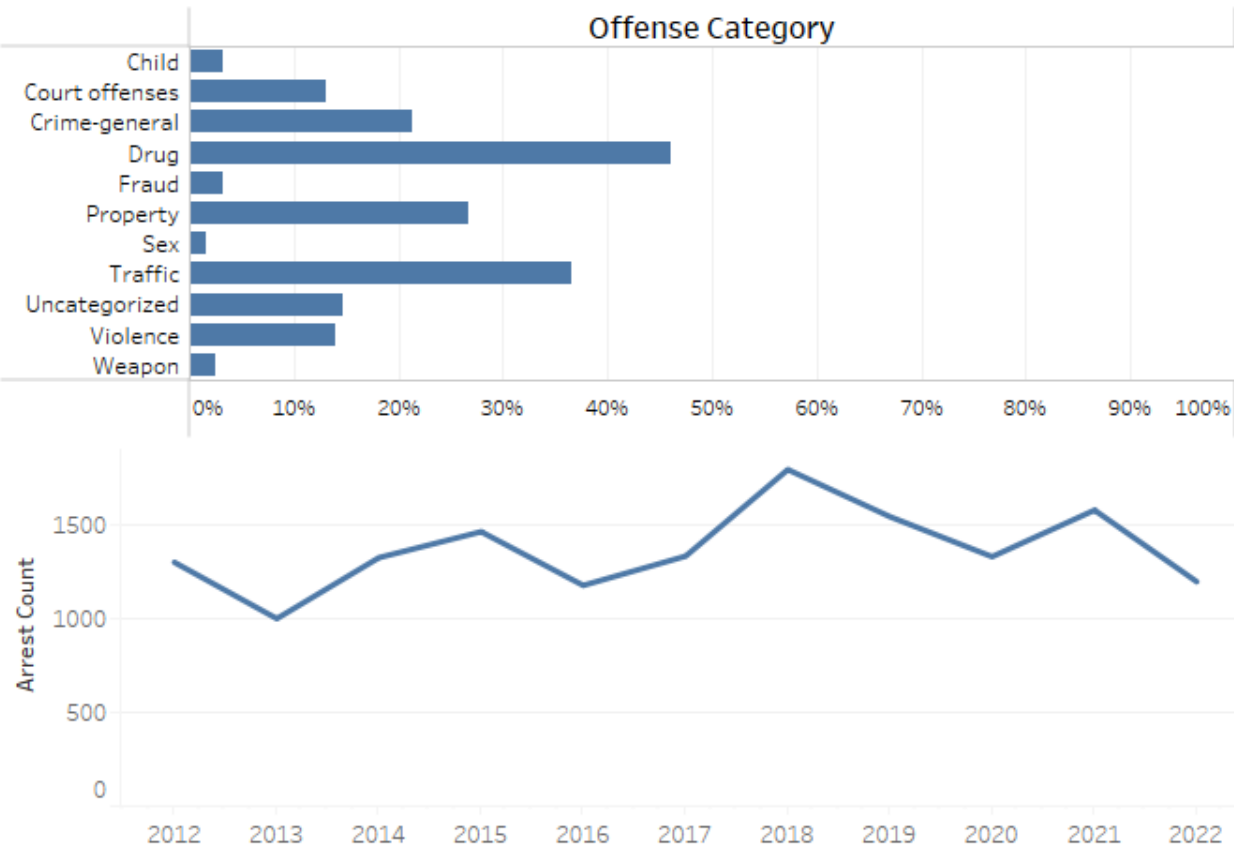
Year  
Multiple values

Heatmap or Line Chart  
Line Chart

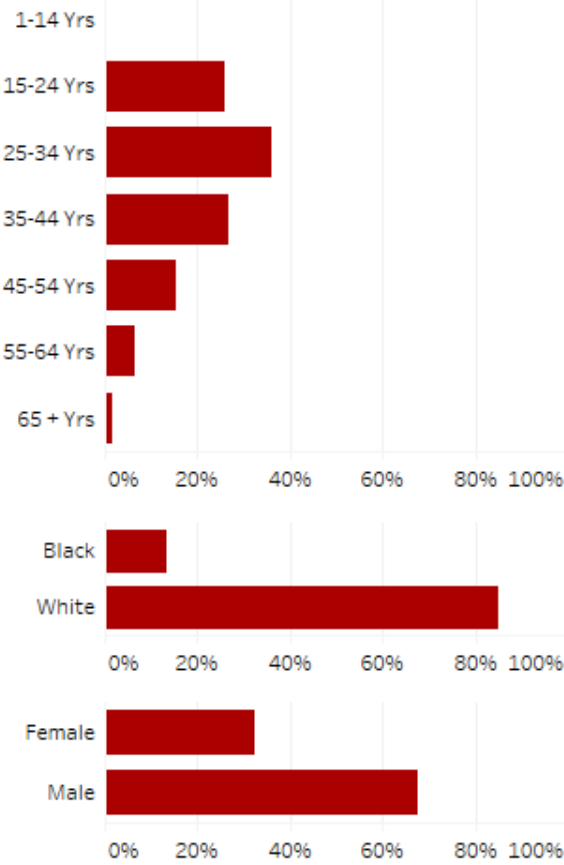
Rate or Count?  
Rate per 10,000 County Residents



Select an Offense Category to see Subcategories



Demographic Information



# Indiana Arrest Information

Use the drop down options or select a county/offense category/time period to explore the data

YTD Individuals Arrested  
(Beginning Jan 2023)

162

YTD % Difference  
From Previous Year

-35.71%

MTD Individuals Arrested  
(May 2023)

7

MTD % Difference  
From Previous Year

-66.67%

583 Arrested Individuals per  
10,000 State Residents

Show...  
Individuals Arrested

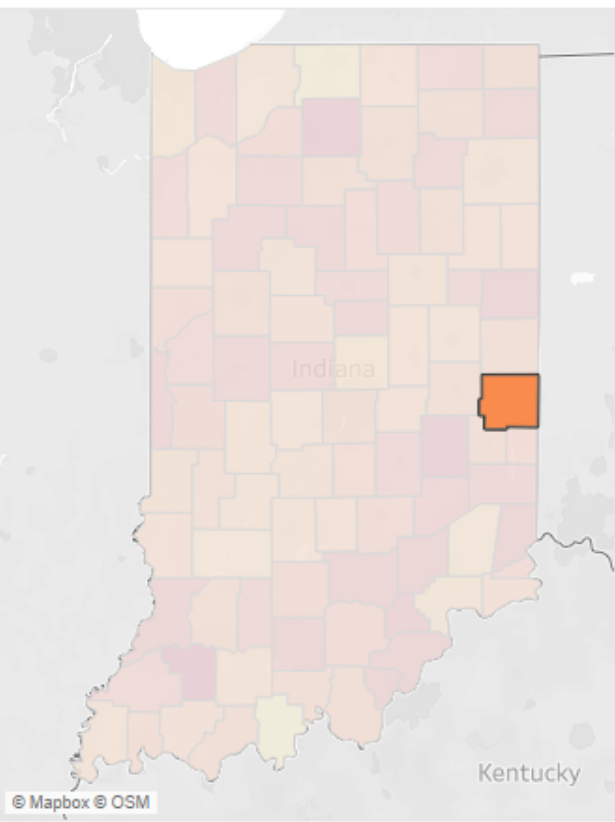
Offense Stage  
Most Recent (Arrest or Disposition)

Year  
Multiple values

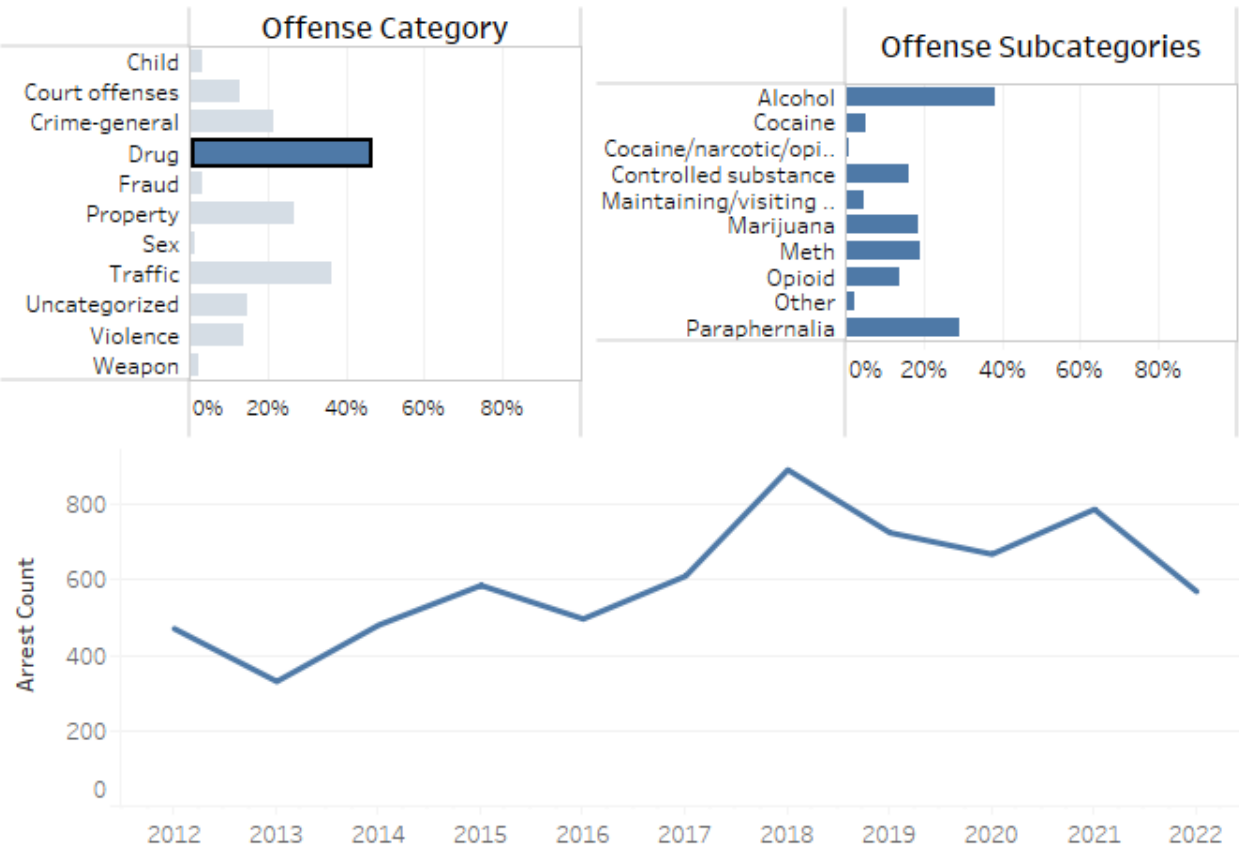
Heatmap or Line Chart  
Line Chart

Rate or Count?  
Rate per 10,000 County Residents

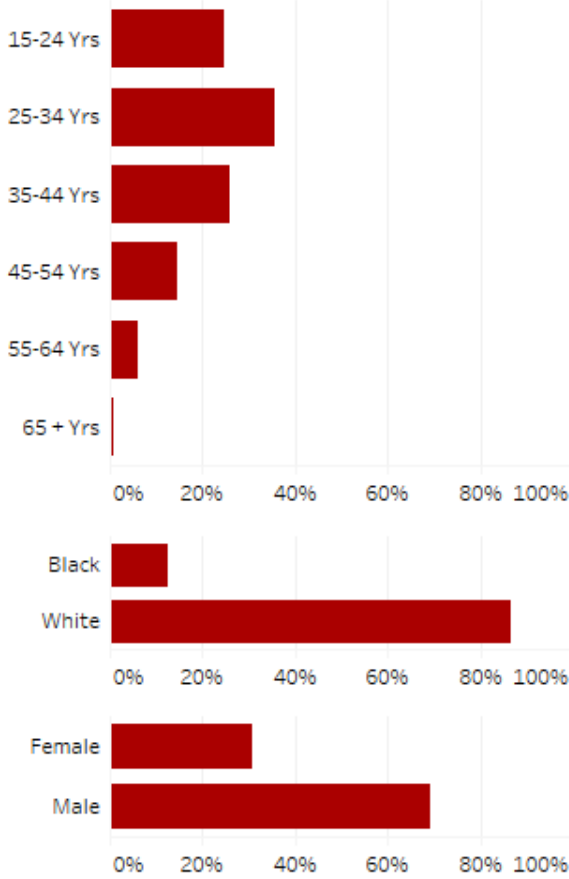
344 1,195



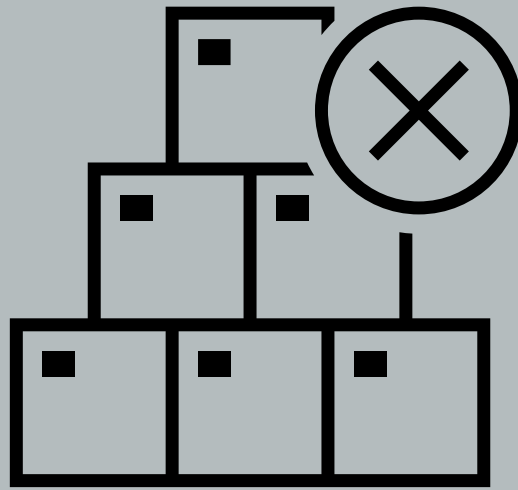
Select an Offense Category to see Subcategories



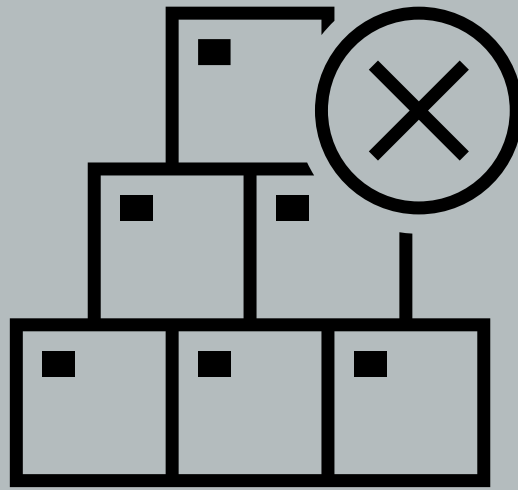
Demographic Information



# County Health Outcomes



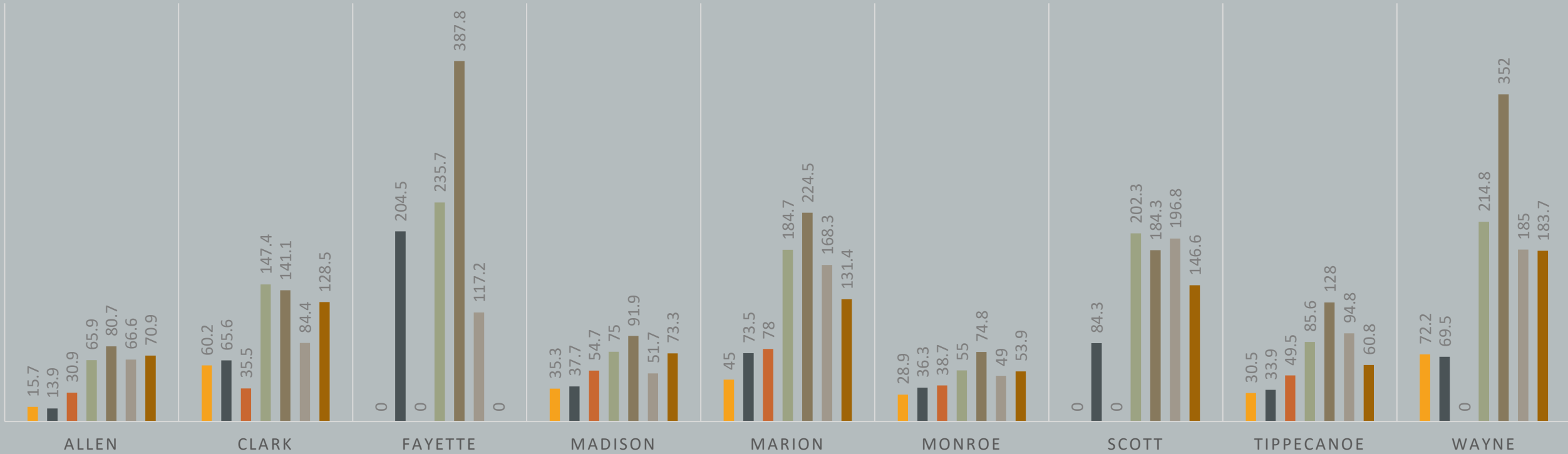
Outcomes: Hepatitis-C



Outcomes: HIV

## NON-FATAL ODS

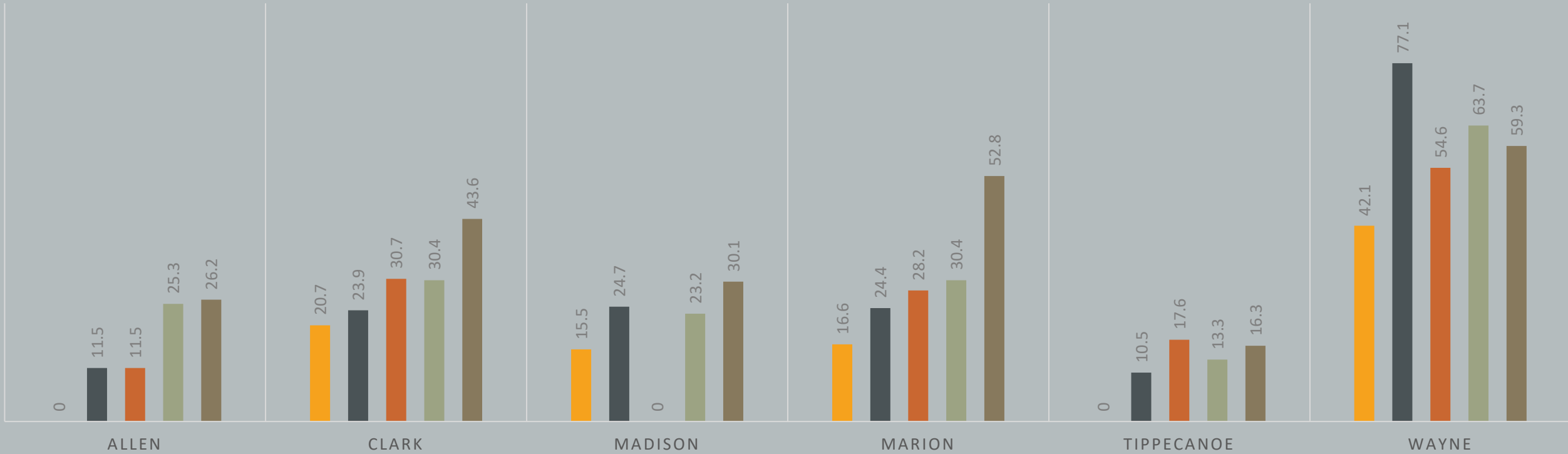
2013 2014 2015 2016 2017 2018 2019



Outcomes: Non-fatal Opioid O.D. per 100k

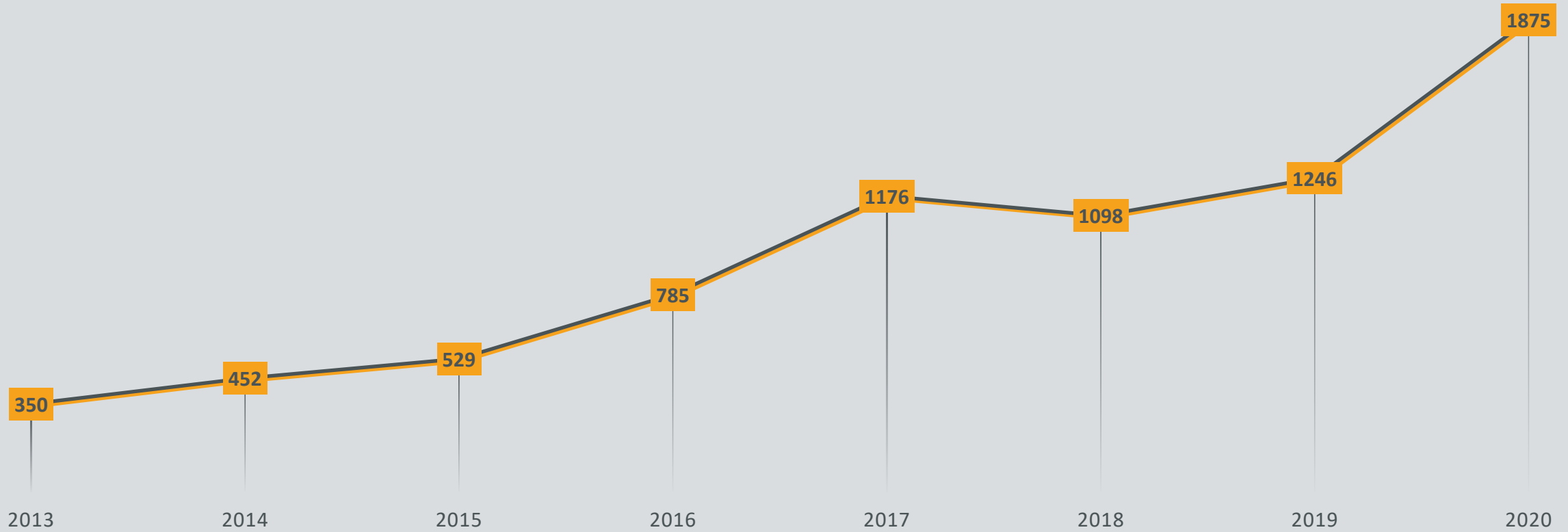
# OPIOID FATALITIES

2016 2017 2018 2019 2020



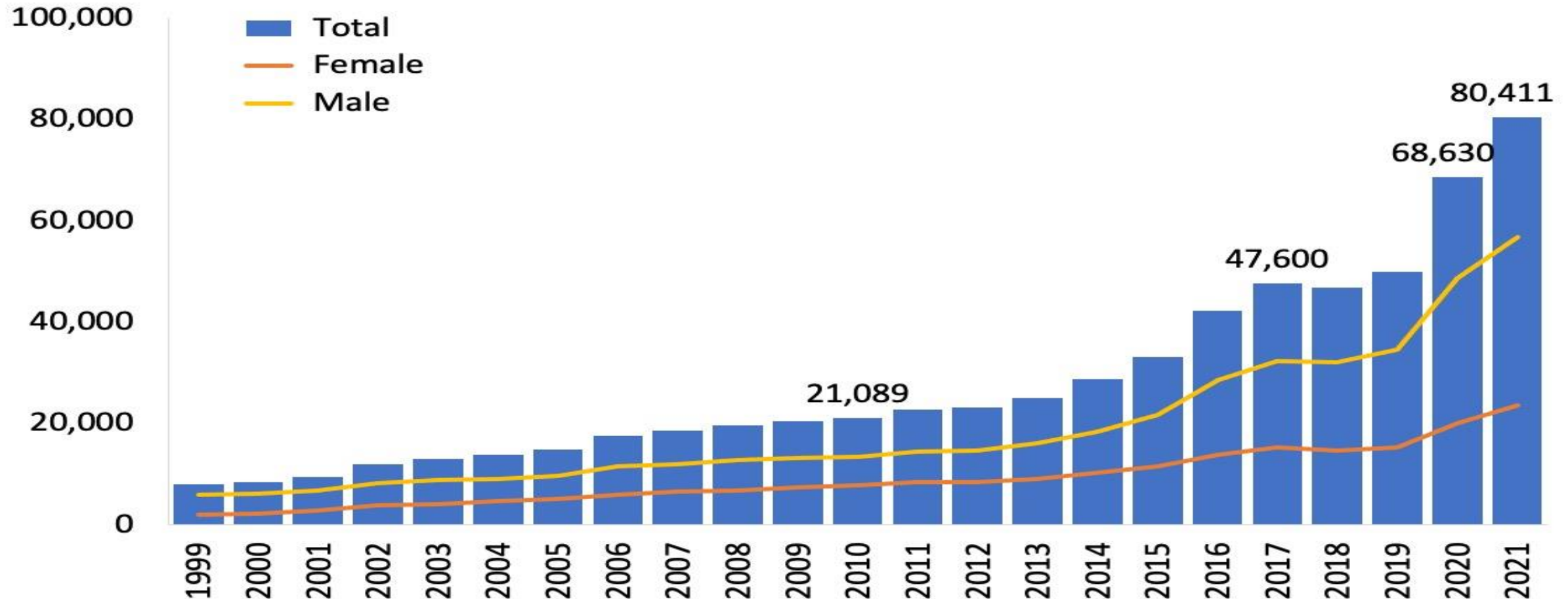
Outcomes: Opioid O.D. Fatalities per 100k

## INDIANA



Indiana Opioid O.D. Fatalities

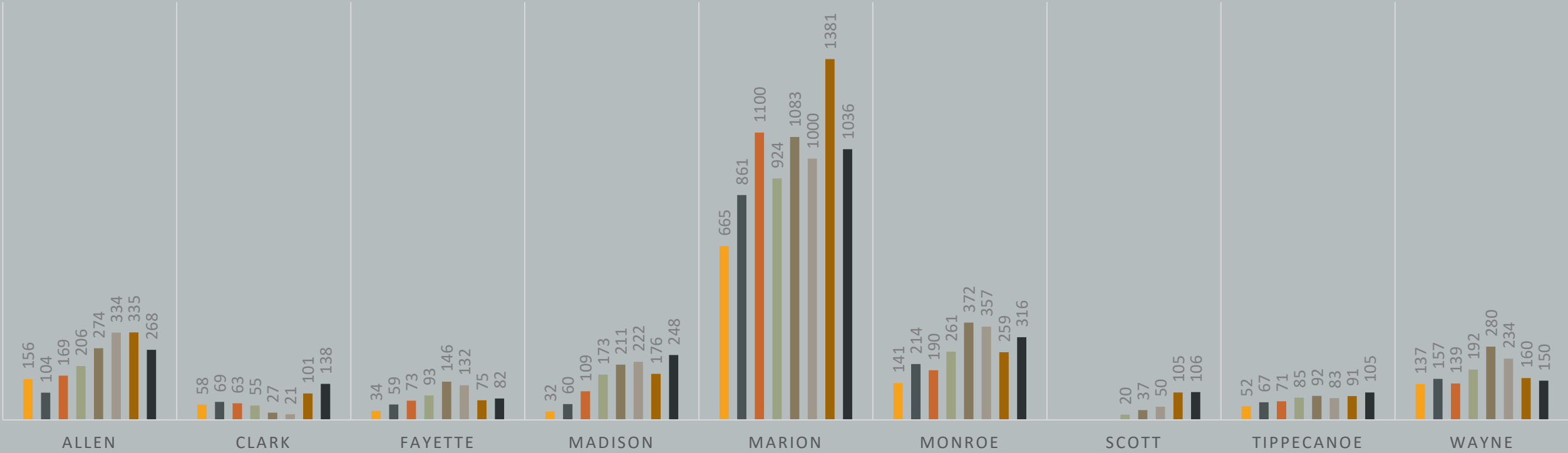
**Figure 3. National Overdose Deaths Involving Any Opioid\*, Number Among All Ages, by Gender, 1999-2021**



\*Among deaths with drug overdose as the underlying cause, the “any opioid” subcategory was determined by the following ICD-10 multiple cause-of-death codes: natural and semi-synthetic opioids (T40.2), methadone (T40.3), other synthetic opioids (other than methadone) (T40.4), or heroin (T40.1). Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999-2021 on CDC WONDER Online Database, released 1/2023.

# HEROIN TX ADMISSIONS

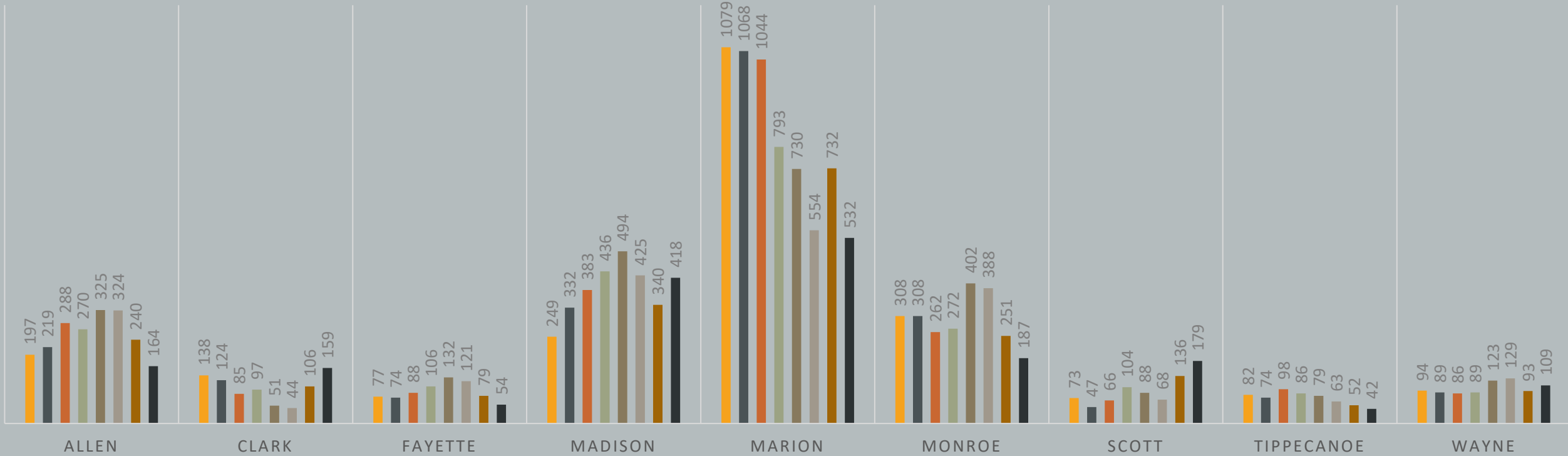
2013 2014 2015 2016 2017 2018 2019 2020



Outcomes: Treatment Admissions (Heroin)

# RX OPIOID TX ADMISSIONS

2013 2014 2015 2016 2017 2018 2019 2020



Outcomes: Tx Admissions Rx Opioid Misuse

# Key Findings

1. Hepatitis-C rates decreased by 60% in Marion County since the implementation of the Marion County SSP in 2019.
2. Hepatitis-C rates decreased by 49% statewide from 2019.
3. HIV rates have remained stable statewide since 2016.
4. 31% decrease in annual drug arrests statewide since 2019.
5. Crime has decreased in six of eight counties where an SSP has been implemented.
6. 1000s of at-risk Hoosiers have been served by Indiana SSP programs.



Key Findings

# Questions



Dr. Dane Minnick