



**INDIANA**  
RURAL HEALTH TRANSFORMATION

# Rural Health Regional Data Summaries



Indiana  
Department  
of  
Health

# Data Trends: Health topics of potential impact





**INDIANA**  
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## REGION 3

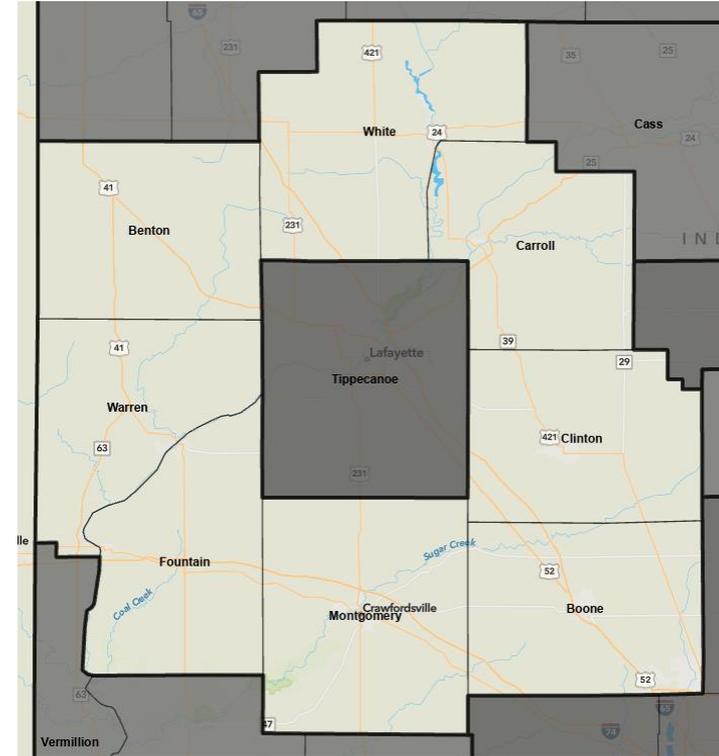


Indiana  
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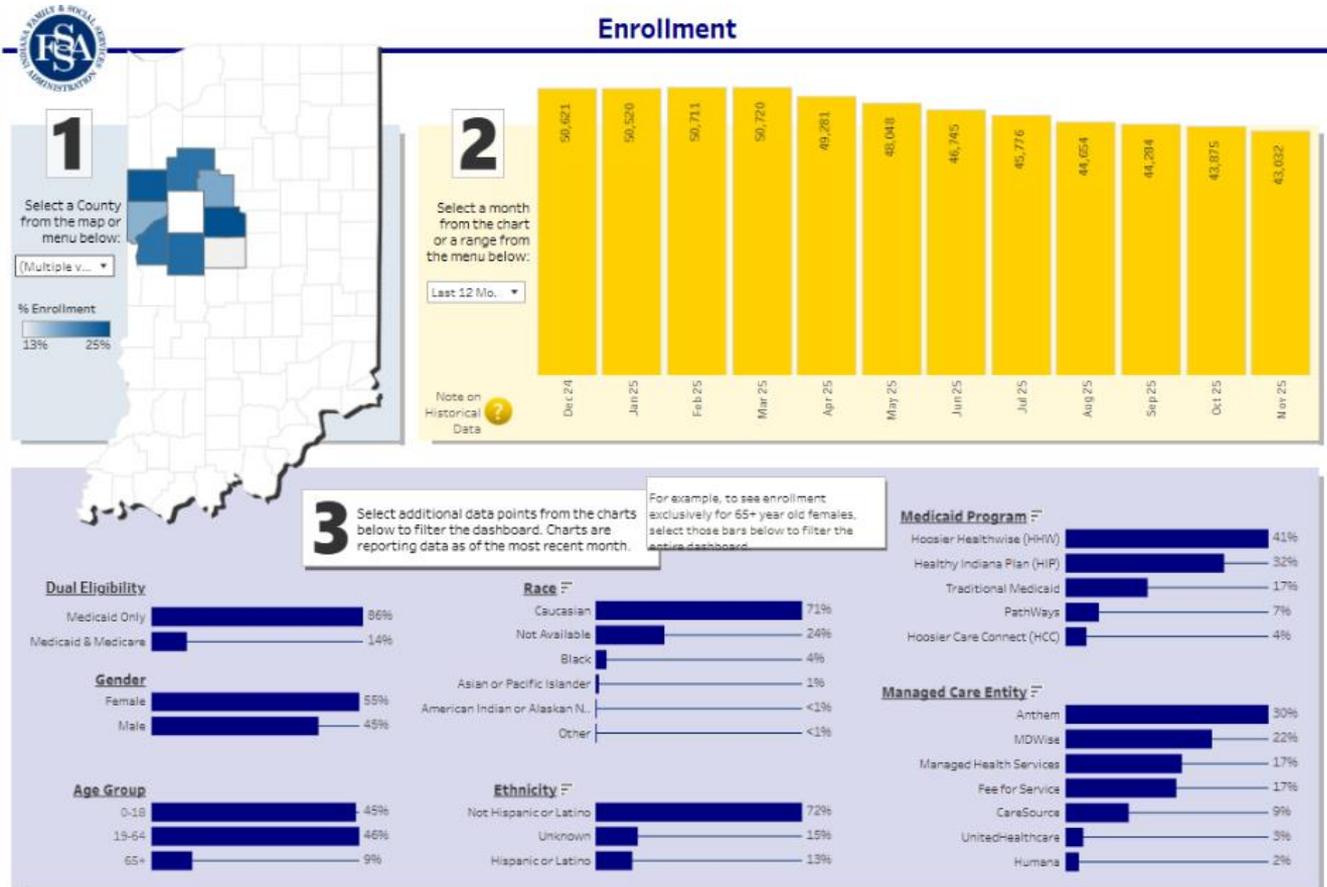
# Region 3

This region includes the following **fully rural** or **partially rural\*** designated counties:

- Benton
- White
- Carroll
- Clinton
- Warren
- Fountain
- Montgomery
- Boone



# Medicaid Patient Enrollment Profile



# Chronic Disease & Primary Care

Health topic: **Obesity**

Metric: **Prevalence (adults)**

Source: **Centers for Disease Control and Prevention (CDC) Places and Behavioral Risk Factor Surveillance System (BRFSS)**



## Chronic Disease & Primary Care

# Obesity Prevalence Among Adults

Table 1. Obesity Prevalence by County, 2020-2022			
County	2020	2021	2022
BENTON	39.5%	41.3%	40.3%
BOONE (PR)	34.8%	34.3%	35.5%
CARROLL	39.1%	40.2%	38.8%
CLINTON	43.2%	37.5%	39.1%
FOUNTAIN	37.8%	38.0%	39.0%
MONTGOMERY	40.7%	35.8%	42.6%
WARREN	36.4%	38.7%	36.5%
WHITE	39.3%	38.4%	39.3%
<b>Regional Average</b>	<b>38.5%</b>	<b>36.8%</b>	<b>38.5%</b>
<b>Statewide Rate</b>	<b>37.0%</b>	<b>36.0%</b>	<b>38.0%</b>

*Data Source: CDC Places. Statewide rates to compare against regional and county rates was sourced from BRFSS data. PR = partially rural. Rates are age-adjusted.*

Key takeaways: Clinton and Montgomery saw drops in 2020-2021. Montgomery saw an increase in 2021-2022.

# Chronic Disease & Primary Care

Health topic: **Diabetes (Type-1 and Type-2)**

Metric: **Prevalence (five-year pooled), death rate (age-adjusted), and non-fatal emergency department (ED) visit rate (age-adjusted)**

Source: **Regenstrief Institute, Indiana Department of Health (IDOH) Vital Records, and Indiana Hospital Association (IHA) Hospital Discharge Datasets**

## Chronic Disease & Primary Care

# Diabetes Type-1 Prevalence Estimates

Table 2. Type-1 Diabetes Prevalence by County, 2020-2024	
County	2020-2024
BENTON	1.0%
BOONE (PR)	0.6%
CARROLL	0.6%
CLINTON	0.6%
FOUNTAIN	0.7%
MONTGOMERY	0.7%
WARREN	0.5%
WHITE	0.7%
<b>Regional Rate</b>	<b>0.6%</b>
<b>Statewide Rate</b>	<b>0.5%</b>

*Data Source: July 1, 2019 - June 30, 2024, INPC Data pulled from Diabetes Prevalence Estimates for Indiana Counties document prepared by Regenstrief Institute. Source is same for state and county. PR = partially rural.*

Key takeaways: Rates are high for Benton compared to the region.

## Chronic Disease & Primary Care

# Diabetes Type-2 Prevalence Estimates

Table 3. Type-2 Diabetes Prevalence by County, 2020-2024

County	2020-2024
BENTON	17.2%
BOONE (PR)	8.9%
CARROLL	11.2%
CLINTON	17.3%
FOUNTAIN	15.7%
MONTGOMERY	13.2%
WARREN	9.7%
WHITE	18.9%
<b>Regional Rate</b>	<b>13.0%</b>
<b>Statewide Rate</b>	<b>11.2%</b>

Data Source: July 1, 2019 - June 30, 2024, INPC Data pulled from Diabetes Prevalence Estimates for Indiana Counties document prepared by Regenstrief Institute. Source is same for state and county. PR = partially rural.

Key takeaways: Rates are low for Boone and Warren compared to the region. Rates are high for White compared to the region.



## Chronic Disease & Primary Care

# Diabetes-Related Deaths, All Types

Table 4. Age-Adjusted Diabetes-Related Death Rates per 100,000 by County, 2020-2024					
County	2020	2021	2022	2023	2024
BENTON	9.4*	31.2*	27.1*	20.7*	33.6*
BOONE (PR)	14.7*	28.3*	39.9	32.7	10.3*
CARROLL	15.0*	24.7*	40.0*	32.2*	18.7*
CLINTON	51.7*	60.9	33.0*	17.3*	12.5*
FOUNTAIN	23.5*	15.1*	29.1*	19.5*	10.6*
MONTGOMERY	10.4*	16.3*	19.3*	42.5*	30.7*
WARREN	19.7*	10.3*	29.2*	0.0*	20.0*
WHITE	17.5*	25.4*	22.3*	41.8*	15.1*
<b>Regional Rate</b>	<b>20.5</b>	<b>28.3</b>	<b>30.4</b>	<b>30.0</b>	<b>17.2</b>
<b>Statewide Rate</b>	40.9	42.0	40.0	36.5	34.4

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: Rates for this region are low for Indiana.



## Chronic Disease & Primary Care

# Diabetes-Related ED Visits, All Types

**Table 5. Age-Adjusted Diabetes-Related ED Visit Rates per 100,000 by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	215.5*	395.0	353.5	291.9	292.0
BOONE (PR)	266.1	239.8	171.6	203.0	215.0
CARROLL	231.7	228.4	257.4	293.9	336.7
CLINTON	444.5	466.2	467.3	494.7	534.9
FOUNTAIN	415.9	373.6	363.0	524.9	402.3
MONTGOMERY	365.4	433.3	444.2	396.9	518.6
WARREN	315.2*	275.0	338.8	199.3*	350.3
WHITE	645.6	782.8	563.7	701.0	633.8
<b>Regional Rate</b>	<b>352.9</b>	<b>374.2</b>	<b>336.5</b>	<b>360.7</b>	<b>127.1</b>
<b>Statewide Rate</b>	34.41	36.41	365.3	401.7	406.9

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: Rates are low for Boone compared to the region. Rates are high for Clinton, Fountain, Montgomery, and White compared to the region. White saw an increase in 2020-2021. White saw a drop in 2021-2022. Fountain and White saw increases in 2022-2023. Montgomery saw an increase in 2023-2024. Fountain saw a drop in 2023-2024.

# Chronic Disease & Primary Care

Health topic: **Hypertension**

Metric: **Prevalence estimates, death rate (age-adjusted), and non-fatal ED visit rate (age-adjusted)**

Source: **Regenstrief Institute, IDOH Vital Records, and IHA Hospital Discharge Datasets**



## Chronic Disease & Primary Care

# Hypertension Prevalence Estimates

Table 6. Hypertension Prevalence by County, 2020-2024	
County	2020-2024
BENTON	68.6%
BOONE (PR)	48.8%
CARROLL	68.6%
CLINTON	72.4%
FOUNTAIN	51.8%
MONTGOMERY	43.2%
WARREN	59.3%
WHITE	79.7%
<b>Regional Rate</b>	<b>57.9%</b>
<b>Statewide Rate</b>	<b>47.5%</b>
<i>Data Source: 2020-2024 INPC Data pulled from IDOH Health First Hypertension Report prepared by Regenstrief Institute. Source is same for state and county. PR = partially rural.</i>	

Key takeaways: Rates are low for Montgomery compared to the region. Rates are high for White compared to the region.



## Chronic Disease & Primary Care

# Hypertension-Related Deaths

**Table 7. Age-Adjusted Hypertension-Related Death Rates per 100,000 by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	34.5*	31.8*	13.2*	62.1*	106.7*
BOONE (PR)	50.2	35.2	19.5*	54.8	25.4*
CARROLL	37.6*	42.1*	68.3*	83.3*	64.5*
CLINTON	14.4*	62.5*	38.6*	64.6	44.7*
FOUNTAIN	47.4*	75.6*	77.9*	60.8*	103.0*
MONTGOMERY	28.8*	31.5*	29.0*	40.9*	38.3*
WARREN	42.4*	36.1*	22.5*	51.9*	37.3*
WHITE	60.4*	87.3	85.8	105.6	69.2
<b>Regional Rate</b>	<b>38.8</b>	<b>49.1</b>	<b>41.9</b>	<b>63.7</b>	<b>49.9</b>
<b>Statewide Rate</b>	39.1	42.5	43.2	44.8	42.9

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: White saw a drop in 2023-2024.



## Chronic Disease & Primary Care

# Hypertension-Related ED Visits

**Table 8. Age-Adjusted Hypertension-Related ED Visit Rates per 100,000 by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	442.9	391.0	552.1	681.7	700.6
BOONE (PR)	298.5	335.6	418.3	438.9	390.1
CARROLL	380.5	426.7	366.9	640.9	487.4
CLINTON	960.1	1,195.4	1,371.1	1,438.7	1,044.8
FOUNTAIN	758.9	759.4	814.7	1,024.2	792.9
MONTGOMERY	501.5	606.1	581.8	727.9	592.6
WARREN	430.4	523.4	697.2	787.7	422.2
WHITE	993.4	1,064.8	1,155.6	1,530.7	1,025.5
<b>Regional Rate</b>	<b>567.0</b>	<b>640.9</b>	<b>705.5</b>	<b>840.2</b>	<b>637.5</b>
<b>Statewide Rate</b>	<b>528.5</b>	<b>590.1</b>	<b>634.8</b>	<b>704.1</b>	<b>654.9</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. Rates are age-adjusted.*

Key takeaways: Rates are low for Boone and Carroll compared to the region. Rates are high for Clinton and White compared to the region. White saw an increase in 2022-2023. Clinton, Warren, and White saw drops in 2023-2024.

# Chronic Disease & Primary Care

Health topic: **Heart Disease**

Metric: **Death rate (age-adjusted)** and **non-fatal ED visit rate (age-adjusted)**

Source: **IDOH Vital Records** and **IHA Hospital Discharge dataset**



## Chronic Disease & Primary Care

# Heart Disease-Related Deaths

**Table 9. Age-Adjusted Heart Disease-Related Death Rates per 100,000 by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	338.8	281.9	326.5	262.0	343.9
BOONE (PR)	212.6	229.0	218.3	215.2	170.3
CARROLL	207.0	262.1	220.4	222.3	254.4
CLINTON	210.6	262.5	247.9	316.1	280.2
FOUNTAIN	361.6	309.8	340.1	299.9	316.6
MONTGOMERY	316.2	353.9	308.6	307.6	324.1
WARREN	317.3	272.5	307.2	214.4	220.0
WHITE	220.3	261.5	249.3	249.3	270.2
<b>Regional Rate</b>	<b>252.9</b>	<b>273.4</b>	<b>258.5</b>	<b>258.3</b>	<b>252.6</b>
<b>Statewide Rate</b>	<b>257.9</b>	<b>257.2</b>	<b>248.7</b>	<b>244.8</b>	<b>239.9</b>

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. Rates are age-adjusted.*

Key takeaways: Warren saw a drop in 2022-2023. Benton saw an increase in 2023-2024.



## Chronic Disease & Primary Care

# Heart Disease-Related ED Visits

**Table 10. Age-Adjusted Heart Disease-Related ED Visits per 100,000 by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	565.9	430.9	706.6	722.9	853.4
BOONE (PR)	727.9	751.7	758.5	711.4	610.7
CARROLL	397.3	492.5	446.0	503.5	587.5
CLINTON	968.6	1,147.2	1,125.0	1,178.5	1,203.5
FOUNTAIN	917.6	1,288.1	919.8	1,120.1	1,257.5
MONTGOMERY	943.8	1,055.3	947.7	1,106.3	953.0
WARREN	800.8	584.1	705.1	685.2	861.4
WHITE	1,205.3	1,284.2	1,124.4	1,311.9	1,289.9
<b>Regional Rate</b>	<b>837.4</b>	<b>923.4</b>	<b>862.3</b>	<b>921.5</b>	<b>893.4</b>
<b>Statewide Rate</b>	<b>639.1</b>	<b>730.6</b>	<b>734.8</b>	<b>769.9</b>	<b>753.9</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. Rates are age-adjusted.*

Key takeaways: Rates are low for Benton and Carroll compared to the region. Rates are high for White compared to the region. Fountain saw an increase in 2020-2021. Benton saw an increase in 2021-2022. Fountain saw a drop in 2021-2022.

# Chronic Disease & Primary Care

Health topic: **Stroke**

Metric: **Death rate (age-adjusted)** and **non-fatal ED visit rate (age-adjusted)**

Source: **IDOH Vital Records** and **IHA Hospital Discharge dataset**



## Chronic Disease & Primary Care

# Stroke-Related Deaths

**Table 11. Age-Adjusted Stroke-Related Death Rates per 100,000 by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	69.0*	65.5*	54.1*	40.4*	46.1*
BOONE (PR)	41.3	43.0	50.8	53.3	43.2
CARROLL	15.1*	43.7*	31.2*	43.7*	15.2*
CLINTON	68.4	80.2	52.0*	65.4*	74.2
FOUNTAIN	15.9*	77.1*	67.9*	32.8*	99.9*
MONTGOMERY	33.6*	33.7*	34.9*	50.4	47.1
WARREN	50.8*	49.2*	76.1*	76.5*	50.3*
WHITE	57.3*	43.2*	29.7*	69.2	39.1*
<b>Regional Rate</b>	<b>42.5</b>	<b>50.6</b>	<b>46.0</b>	<b>53.5</b>	<b>48.7</b>
<b>Statewide Rate</b>	<b>57.0</b>	<b>59.0</b>	<b>56.1</b>	<b>56.0</b>	<b>55.7</b>

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: No definitive trends or regional differences.



## Chronic Disease & Primary Care

# Stroke-Related ED Visits

Table 12. Age-Adjusted Stroke-Related ED Visit Rates per 100,000 by County, 2020-2024					
County	2020	2021	2022	2023	2024
BENTON	63.9*	58.7*	78.4*	123.3*	161.7*
BOONE (PR)	58.5	53.4	71.2	60.8	67.7
CARROLL	66.3*	64.5*	68.5*	77.8*	95.8
CLINTON	146.9	184.6	136.0	129.7	165.0
FOUNTAIN	159.6	196.2	157.9	212.9	132.8
MONTGOMERY	177.6	132.3	172.8	183.7	171.5
WARREN	104.9*	156.9*	145.8*	105.8*	135.7*
WHITE	189.9	180.0	188.7	179.4	186.4
<b>Regional Rate</b>	<b>120.4</b>	<b>119.8</b>	<b>121.7</b>	<b>124.3</b>	<b>127.1</b>
<b>Statewide Rate</b>	<b>88.3</b>	<b>94.0</b>	<b>100.0</b>	<b>103.9</b>	<b>106.6</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: Rates are low for Boone compared to the region. Rates are high for Fountain, Montgomery, and White compared to the region. Rates are increasing both for this region and for the state. Fountain saw an increase in 2022-2023. Fountain saw a drop in 2023-2024.

# Chronic Disease & Primary Care

Health topic: **Smoking**

Metric: **Prevalence (adults)** and **Prevalence among pregnant women**

Source: **BRFSS, IDOH Vital Records**



## Chronic Disease & Primary Care

# Smoking Prevalence Among Adults

Table 13. Smoking Prevalence Among Adults by County, 2018-2022	
County	2018-2022
BENTON	19.1%
BOONE (PR)	12.6%
CARROLL	15.7%
CLINTON	15.7%
FOUNTAIN	19.1%
MONTGOMERY	19.0%
WARREN	19.1%
WHITE	15.7%
<b>Regional Rate</b>	<b>15.8%</b>
<b>Statewide Rate</b>	<b>17.9%</b>
<i>Data Source: BRFSS. Source is same for state and county. PR = partially rural. Counties with insufficient data are grouped with nearby ones.</i>	

Key takeaways: No definitive trends or regional differences.



## Chronic Disease & Primary Care

# Smoking Prevalence Among Pregnant Women

Table 14. Smoking Prevalence Among Pregnant Women by County, 2021-2024				
County	2021	2022	2023	2024
BENTON	11.0%*	15.6%*	8.7%*	6.1%*
BOONE (PR)	3.6%	3.9%	2.1%*	1.3%*
CARROLL	12.0%	7.9%*	7.2%*	5.4%*
CLINTON	8.2%	6.4%	6.8%	6.1%
FOUNTAIN	11.2%	9.1%*	5.6%*	6.7%*
MONTGOMERY	14.1%	15.7%	9.0%	6.9%
WARREN	5.6%*	3.0%*	8.9%*	2.6%*
WHITE	12.6%	10.6%	9.9%	4.9%*
<b>Regional Rate</b>	<b>8.7%</b>	<b>8.1%</b>	<b>6.1%</b>	<b>4.4%</b>
<b>Statewide Rate</b>	<b>9.0%</b>	<b>6.6%</b>	<b>5.3%</b>	<b>3.8%</b>
<i>Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. * = Unstable (count is less than 20).</i>				

Key takeaways: Rates are high for Montgomery compared to the region. Rates are decreasing both for this region and for the state. Montgomery saw a drop in 2022-2023.

# Maternal & Child Health

Health topic: **Infant mortality**

Metric: **Infant mortality rate (per thousand)**

Definition: **The number of infant deaths per 1,000 live births in each time period**

Source: **IDOH Vital Records**



Maternal & Child Health

# Infant Mortality Rate

**Table 15. Infant Mortality Rate per 1,000 by County, 2016-2024**

County	2016-2020	2017-2021	2018-2022	2019-2023	2020-2024
BENTON	(S)	(S)	(S)	(S)	(S)
BOONE (PR)	4.5*	3.7*	4.8	4.0*	4.0*
CARROLL	5.3*	6.2*	8.9*	9.8*	7.1*
CLINTON	6.0*	5.7*	6.1*	5.6*	4.2*
FOUNTAIN	8.8*	9.5*	9.5*	8.4*	8.6*
MONTGOMERY	7.7*	6.4*	6.9*	5.0*	4.5*
WARREN	(S)	(S)	(S)	(S)	(S)
WHITE	5.5*	7.0*	5.8*	3.6*	(S)
<b>Regional Rate</b>	<b>6.0</b>	<b>5.7</b>	<b>6.3</b>	<b>5.3</b>	<b>4.7</b>
<b>Statewide Rate</b>	7.0	6.8	6.8	6.7	6.7

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: No definitive trends or regional differences.

# Maternal & Child Health

Health topic: **Low birthweight**

Metric: **Low birthweight rate**

Definition: **The percentage of babies that were born with a weight of less than 2,500 grams**

Source: **IDOH Maternal and Child Health**



## Maternal & Child Health

# Low Birthweight Rate

**Table 16. Low Birthweight Rate by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	6.2%*	5.5%*	7.3%*	11.5%*	6.1%*
BOONE (PR)	5.9%	6.6%	7.5%	8.0%	7.3%
CARROLL	9.0%	8.9%	7.9%*	11.0%	5.9%*
CLINTON	9.2%	7.7%	10.3%	7.7%	7.7%
FOUNTAIN	8.2%*	8.4%*	8.6%*	5.1%*	8.5%*
MONTGOMERY	7.8%	5.9%	9.8%	9.0%	8.9%
WARREN	(S)	5.6%*	12.1%*	7.6%*	(S)
WHITE	7.2%	10.7%	7.3%*	9.6%	7.9%
<b>Regional Rate</b>	<b>7.4%</b>	<b>7.3%</b>	<b>8.6%</b>	<b>8.5%</b>	<b>7.5%</b>
<b>Statewide Rate</b>	<b>8.1%</b>	<b>8.4%</b>	<b>8.7%</b>	<b>8.6%</b>	<b>8.5%</b>

*Data Source: Indiana Department of Health Maternal and Child Health. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: White saw an increase in 2020-2021. Montgomery saw an increase in 2021-2022.



# Maternal & Child Health

Health topic: **Pre-term births**

Metric: **Pre-term birth rate**

Definition: **The percentage of babies that were born at less than 37 weeks**

Source: **IDOH Maternal and Child Health**



## Maternal & Child Health

# Pre-Term Birth Rate

**Table 17. Pre-Term Birth Rate by County, 2020-2024**

County	2020	2021	2022	2023	2024
BENTON	9.8%*	9.9%*	11.9%*	15.4%*	9.2%*
BOONE (PR)	9.5%	9.0%	8.3%	11.4%	9.6%
CARROLL	10.2%	12.0%	8.8%	10.5%	8.6%*
CLINTON	12.7%	10.8%	9.4%	8.2%	11.1%
FOUNTAIN	7.6%*	13.1%	12.9%	9.1%*	8.5%*
MONTGOMERY	10.6%	10.7%	12.9%	12.2%	11.4%
WARREN	10.3%*	10.1%*	16.7%*	8.9%*	9.1%*
WHITE	10.8%	13.0%	8.6%	8.9%	10.6%
<b>Regional Rate</b>	<b>10.4%</b>	<b>10.6%</b>	<b>10.0%</b>	<b>10.6%</b>	<b>10.1%</b>
<b>Statewide Rate</b>	<b>10.4%</b>	<b>10.9%</b>	<b>10.9%</b>	<b>11.0%</b>	<b>10.9%</b>

*Data Source: Indiana Department of Health Maternal and Child Health. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: White saw a drop in 2021-2022.

# Maternal & Child Health

Health topic: **Early prenatal care**

Metric: **No Early Prenatal Care rate**

Definition: **The percentage of births to mothers that did not access prenatal care in the first trimester**

Source: **IDOH Maternal and Child Health**



## Maternal & Child Health

# No Early Pre-Natal Care Rate

Table 18. No Early Pre-Natal Care Rate by County, 2020-2024					
County	2020	2021	2022	2023	2024
BENTON	24.1%	19.8%*	24.8%	21.2%	11.2%*
BOONE (PR)	15.0%	14.2%	15.9%	18.9%	17.0%
CARROLL	25.4%	25.8%	27.8%	18.7%	16.3%
CLINTON	28.3%	31.4%	30.7%	23.8%	25.5%
FOUNTAIN	29.4%	20.6%	24.2%	17.3%	18.3%
MONTGOMERY	28.2%	27.7%	22.2%	21.0%	22.5%
WARREN	24.4%*	24.7%	19.7%*	24.1%*	20.8%*
WHITE	37.1%	29.0%	33.9%	18.4%	21.9%
<b>Regional Rate</b>	<b>24.7%</b>	<b>22.7%</b>	<b>23.2%</b>	<b>20.2%</b>	<b>19.8%</b>
<b>Statewide Rate</b>	<b>30.7%</b>	<b>28.3%</b>	<b>29.1%</b>	<b>26.6%</b>	<b>27.3%</b>

*Data Source: Indiana Department of Health Maternal and Child Health. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: Rates are low for Boone compared to the region. Rates are decreasing for this region but not for the state. Fountain and White saw drops in 2020-2021. Carroll and White saw drops in 2022-2023.



# Trauma & Injury Prevention

Health topic: **Older adult (age 65+) falls**

Metric: **Death rate from falls (65+), non-fatal hospitalization rate from falls (65+) and non-fatal ED visit rate from falls (65+)**

Source: **IDOH Vital Records and IHA Hospital Discharge dataset**



Trauma & Injury Prevention

# Deaths From Falls (Age 65+)

**Table 19. Falls (Age 65+), Death Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	189.5*	186.8*	61.6*
BOONE (PR)	53.8*	59.8*	81.9*
CARROLL	23.5*	0.0*	87.9*
CLINTON	72.6*	90.8*	141.6*
FOUNTAIN	88.9*	58.7*	86.7*
MONTGOMERY	68.8*	107.6*	52.8*
WARREN	0.0*	109.5*	106.1*
WHITE	75.4*	91.4*	35.6*
<b>Regional Rate</b>	<b>64.7</b>	<b>77.5</b>	<b>79.9</b>
<b>Statewide Rate</b>	53.1	58.1	58.4

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: Rates are increasing both for this region and for the state.



## Trauma & Injury Prevention

# ED Visits From Falls (Age 65+)

Table 20. Falls (Age 65+), ED Visit Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BENTON	4,801.0	5,604.0	7,327.6
BOONE (PR)	7,148.6	6,998.8	7,608.5
CARROLL	3,825.4	3,707.1	4,789.1
CLINTON	7,682.5	9,132.2	9,293.7
FOUNTAIN	8,323.5	8,418.9	8,297.2
MONTGOMERY	7,710.3	8,120.5	8,913.2
WARREN	5,155.8	4,816.6	5,623.3
WHITE	8,972.7	8,392.8	8,989.0
<b>Regional Rate</b>	<b>7,130.4</b>	<b>7,290.2</b>	<b>7,902.3</b>
<b>Statewide Rate</b>	<b>6,032.1</b>	<b>6,410.5</b>	<b>6,666.6</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural.*

Key takeaways: Rates are low for Carroll and Warren compared to the region. Rates are increasing both for this region and for the state. Clinton saw an increase in 2022-2023. Benton saw an increase in 2023-2024.



## Trauma & Injury Prevention

# Hospitalizations From Falls (Age 65+)

Table 21. Falls (Age 65+), Hospitalization Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BENTON	1,516.1	1,183.1*	1,477.8
BOONE (PR)	1,246.7	1,085.3	1,367.7
CARROLL	891.8	644.7	1,076.4
CLINTON	835.5	1,289.0	1,522.4
FOUNTAIN	1,273.7	1,173.4	1,619.0
MONTGOMERY	1,032.6	1,048.7	1,135.6
WARREN	906.5*	547.3*	795.8*
WHITE	1,489.2	1,078.8	1,032.4
<b>Regional Rate</b>	<b>1,144.1</b>	<b>1,046.0</b>	<b>1,270.8</b>
<b>Statewide Rate</b>	<b>1,103.9</b>	<b>1,132.9</b>	<b>1,187.9</b>
<small>Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. * = Unstable (count is less than 20).</small>			

Key takeaways: No definitive trends or regional differences.

# Trauma & Injury Prevention

Health topic: **Motor vehicle traffic injuries**

Metric: **Death rate from motor vehicle injuries, non-fatal hospitalization rate from motor vehicle injuries** and **non-fatal ED visit rate from motor vehicle injuries**

Source: **IDOH Vital Records** and **IHA Hospital Discharge dataset**

## Trauma & Injury Prevention

# Deaths From Motor Vehicle Traffic Injuries

Table 22. Motor Vehicle Traffic Injuries, Death Rates per 100,000 by County, 2022-2024

County	2022	2023	2024
BENTON	45.9*	34.4*	22.6*
BOONE (PR)	10.8*	6.6*	5.1*
CARROLL	68.1*	29.2*	14.5*
CLINTON	15.2*	9.2*	12.2*
FOUNTAIN	36.2*	29.9*	23.8*
MONTGOMERY	10.5*	15.6*	25.9*
WARREN	23.6*	11.7*	0.0*
WHITE	16.3*	24.1*	24.2*
<b>Regional Rate</b>	<b>21.0</b>	<b>15.4</b>	<b>14.3</b>
<b>Statewide Rate</b>	14.2	13.7	12.6

Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).

Key takeaways: Rates are decreasing both for this region and for the state.



Trauma & Injury Prevention

# ED Visits From Motor Vehicle Traffic Injuries

**Table 23. Motor Vehicle Traffic Injuries, ED Visit Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	757.0	733.2	711.6
BOONE (PR)	508.3	630.6	556.0
CARROLL	544.9	477.5	578.4
CLINTON	873.9	1,093.8	1,124.8
FOUNTAIN	567.2	747.1	760.4
MONTGOMERY	781.2	759.6	807.6
WARREN	449.1	375.7	449.7
WHITE	943.2	931.1	1,010.8
<b>Regional Rate</b>	<b>671.3</b>	<b>741.5</b>	<b>747.8</b>
<b>Statewide Rate</b>	<b>762.0</b>	<b>836.2</b>	<b>862.3</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural.*

Key takeaways: Rates are low for Carroll and Warren compared to the region. Rates are high for Clinton and White compared to the region. Rates are increasing both for this region and for the state. Clinton and Fountain saw increases in 2022-2023.



Trauma & Injury Prevention

# Hospitalizations From Motor Vehicle Traffic Injuries

**Table 24. Motor Vehicle Traffic Injuries, Hospitalization Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	(S)	91.6*	79.1*
BOONE (PR)	35.1	43.4	34.3
CARROLL	48.6*	58.5*	38.6*
CLINTON	27.4*	79.4	57.8*
FOUNTAIN	54.3*	53.8*	65.3*
MONTGOMERY	49.6*	41.5*	54.4
WARREN	(S)	(S)	(S)
WHITE	56.9*	64.2*	52.3*
<b>Regional Rate</b>	<b>40.1</b>	<b>52.9</b>	<b>47.4</b>
<b>Statewide Rate</b>	44.4	47.0	45.1

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: No definitive trends or regional differences.

# Trauma & Injury Prevention

Health topic: **Traumatic brain injury (TBI)**

Metric: **Death rate from TBI, non-fatal hospitalization rate from TBI and non-fatal ED visit rate from TBI**

Source: **IDOH Vital Records and IHA Hospital Discharge dataset**



## Trauma & Injury Prevention

# Deaths From Traumatic Brain Injuries

Table 25. Traumatic Brain Injuries, Death Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BENTON	22.9*	68.7*	11.3*
BOONE (PR)	6.7*	22.3*	17.8*
CARROLL	29.2*	24.4*	19.3*
CLINTON	15.2*	21.4*	27.4*
FOUNTAIN	30.2*	35.9*	5.9*
MONTGOMERY	26.1*	25.9*	10.4*
WARREN	11.8*	11.7*	35.5*
WHITE	24.4*	24.1*	16.1*
<b>Regional Rate</b>	<b>17.8</b>	<b>25.6</b>	<b>17.4</b>
<b>Statewide Rate</b>	21.1	21.3	22.4

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: No definitive trends or regional differences.



## Trauma & Injury Prevention

# ED Visits From Traumatic Brain Injuries

**Table 26. Traumatic Brain Injuries, ED Visit Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	229.4	332.2	180.7*
BOONE (PR)	265.6	327.1	255.2
CARROLL	262.7	224.1	216.9
CLINTON	322.7	433.9	373.9
FOUNTAIN	217.2	269.0	279.2
MONTGOMERY	295.2	321.5	302.8
WARREN	165.5*	199.6*	153.8*
WHITE	455.3	485.6	438.9
<b>Regional Rate</b>	<b>290.8</b>	<b>340.8</b>	<b>291.7</b>
<b>Statewide Rate</b>	246.1	260.1	261.2

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: Rates are high for White compared to the region. Benton and Clinton saw increases in 2022-2023.

## Trauma & Injury Prevention

# Hospitalizations From Traumatic Brain Injuries

Table 27. Traumatic Brain Injuries, Hospitalization Rates per 100,000 by County, 2022-2024

County	2022	2023	2024
BENTON	(S)	114.6*	67.8*
BOONE (PR)	55.3	56.5	52.0
CARROLL	53.5*	68.2*	62.7*
CLINTON	76.1	61.1	73.0
FOUNTAIN	60.3*	83.7*	83.2*
MONTGOMERY	67.9	54.4	67.3
WARREN	(S)	(S)	(S)
WHITE	89.4	56.2*	92.6
<b>Regional Rate</b>	<b>62.0</b>	<b>61.7</b>	<b>64.3</b>
<b>Statewide Rate</b>	62.2	64.7	66.4

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).

Key takeaways: No definitive trends or regional differences.

# Trauma & Injury Prevention

Health topic: **Overdoses (all drugs)**

Metric: **Death rate from overdoses, non-fatal hospitalization rate from overdoses, and non-fatal ED visit rate from overdoses**

Source: **IDOH Vital Records** and **IHA Hospital Discharge dataset**



Trauma & Injury Prevention

# Deaths From Overdoses

**Table 28. Overdoses, Death Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	11.5*	11.5*	0.0*
BOONE (PR)	18.9*	25.0*	12.7*
CARROLL	19.5*	24.4*	0.0*
CLINTON	51.8*	30.6*	24.3*
FOUNTAIN	18.1*	17.9*	17.8*
MONTGOMERY	28.7*	20.7*	20.7*
WARREN	11.8*	47.0*	0.0*
WHITE	12.2*	12.0*	24.2*
<b>Regional Rate</b>	<b>24.1</b>	<b>23.4</b>	<b>15.2</b>
<b>Statewide Rate</b>	39.1	32.4	24.7

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: Rates for this region are low for Indiana. Rates are decreasing both for this region and for the state.



Trauma & Injury Prevention

# ED Visits From Overdoses

**Table 29. Overdoses, ED Visit Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	195.0*	252.0	101.7*
BOONE (PR)	195.5	176.0	116.8
CARROLL	111.9	126.7	135.0
CLINTON	307.5	256.6	161.1
FOUNTAIN	187.0	179.3	166.3
MONTGOMERY	271.7	264.4	194.1
WARREN	70.9*	70.4*	82.8*
WHITE	191.1	196.7	161.1
<b>Regional Rate</b>	<b>211.4</b>	<b>199.7</b>	<b>144.3</b>
<b>Statewide Rate</b>	<b>244.9</b>	<b>223.0</b>	<b>188.4</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: Rates are low for Carroll compared to the region. Rates are decreasing both for this region and for the state. Clinton and Montgomery saw drops in 2023-2024.



Trauma & Injury Prevention

# Hospitalizations From Overdoses

**Table 30. Overdoses, Hospitalization Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	(S)	126.0*	(S)
BOONE (PR)	44.5	63.1	36.8
CARROLL	29.2*	48.7*	24.1*
CLINTON	36.5*	55.0*	24.3*
FOUNTAIN	36.2*	59.8*	59.4*
MONTGOMERY	57.5	72.6	51.8
WARREN	(S)	(S)	71.0*
WHITE	48.8*	56.2*	52.3*
<b>Regional Rate</b>	<b>42.8</b>	<b>62.6</b>	<b>41.3</b>
<b>Statewide Rate</b>	<b>82.3</b>	<b>78.6</b>	<b>73.1</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: Rates for this region are low for Indiana.



# Trauma & Injury Prevention

Health topic: **Opioid overdoses**

Metric: **Death rate from opioid overdoses, non-fatal hospitalization rate from opioid overdoses** and **non-fatal ED visit rate from opioid overdoses**

Source: **IDOH Vital Records**



Trauma & Injury Prevention

# Deaths From Opioid Overdoses

**Table 31. Opioid Overdoses, Death Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	0.0*	11.5*	0.0*
BOONE (PR)	12.1*	18.4*	7.6*
CARROLL	14.6*	24.4*	0.0*
CLINTON	15.2*	18.3*	15.2*
FOUNTAIN	12.1*	0.0*	0.0*
MONTGOMERY	15.7*	13.0*	7.8*
WARREN	0.0*	11.7*	0.0*
WHITE	8.1*	0.0*	12.1*
<b>Regional Rate</b>	<b>12.0</b>	<b>14.1</b>	<b>7.4*</b>
<b>Statewide Rate</b>	<b>30.2</b>	<b>23.4</b>	<b>16.6</b>

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: No definitive trends or regional differences.



## Trauma & Injury Prevention

# ED Visits From Opioid Overdoses

Table 32. Opioid Overdoses, ED Visit Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BENTON	(S)	(S)	(S)
BOONE (PR)	72.8	39.4	16.5*
CARROLL	43.8*	48.7*	33.7*
CLINTON	118.7	82.5	30.4*
FOUNTAIN	54.3*	(S)	(S)
MONTGOMERY	78.4	80.4	23.3*
WARREN	(S)	(S)	(S)
WHITE	65.0*	48.2*	24.2*
<b>Regional Rate</b>	<b>71.8</b>	<b>50.3</b>	<b>21.7</b>
<b>Statewide Rate</b>	<b>98.5</b>	<b>77.3</b>	<b>54.7</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: Rates for this region are low for Indiana. Rates are decreasing both for this region and for the state.



Trauma & Injury Prevention

# Hospitalizations From Opioid Overdoses

**Table 33. Opioid Overdoses, Hospitalization Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	(S)	57.3*	(S)
BOONE (PR)	9.4*	13.1*	7.6*
CARROLL	(S)	24.4*	(S)
CLINTON	(S)	(S)	(S)
FOUNTAIN	(S)	(S)	(S)
MONTGOMERY	13.1*	(S)	(S)
WARREN	(S)	(S)	(S)
WHITE	(S)	(S)	(S)
<b>Regional Rate</b>	<b>10.3</b>	<b>13.2</b>	<b>8.3*</b>
<b>Statewide Rate</b>	20.3	20.7	17.6

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: No definitive trends or regional differences.

# Trauma & Injury Prevention

Health topic: **Overdose deaths by drug**

Metric: **Number of overdose deaths from heroin, benzodiazepine, cocaine, psychostimulants, and synthetic opioids**

Source: **IDOH Vital Records**

## Trauma & Injury Prevention

# Death Counts From Overdoses, Any Opioid

Table 34. Any Opioid Overdoses, Death Counts by County, 2022-2024

County	2022	2023	2024
BENTON	0	1	0
BOONE (PR)	9	14	6
CARROLL	3	5	0
CLINTON	5	6	5
FOUNTAIN	2	0	0
MONTGOMERY	6	5	3
WARREN	0	1	0
WHITE	2	0	3
<b>Regional Total</b>	<b>27</b>	<b>32</b>	<b>17</b>
<b>Statewide Total</b>	<b>2,064</b>	<b>1,608</b>	<b>1,149</b>

Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural.

Key takeaways: Boone saw an increase in 2022-2023. Boone and Carroll saw drops in 2023-2024.



Trauma & Injury Prevention

# Death Counts From Overdoses, Heroin

**Table 35. Heroin Overdoses, Death Counts by County, 2022-2024**

County	2022	2023	2024
BENTON	0	0	0
BOONE (PR)	0	0	0
CARROLL	0	0	0
CLINTON	0	0	0
FOUNTAIN	0	0	0
MONTGOMERY	0	0	0
WARREN	0	0	0
WHITE	0	0	0
<b>Regional Total</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Statewide Total</b>	66	24	25

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural.*

Key takeaways: No definitive trends or regional differences.



## Trauma & Injury Prevention

# Death Counts From Overdoses, Benzodiazepine

Table 36. Benzodiazepine Overdoses, Death Counts by County, 2022-2024			
County	2022	2023	2024
BENTON	0	0	0
BOONE (PR)	3	3	2
CARROLL	0	0	0
CLINTON	0	0	1
FOUNTAIN	0	0	0
MONTGOMERY	0	0	0
WARREN	1	2	0
WHITE	1	1	0
<b>Regional Total</b>	<b>5</b>	<b>6</b>	<b>3</b>
<b>Statewide Total</b>	212	187	142

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural.*

Key takeaways: Warren saw an increase in 2022-2023. Clinton saw an increase in 2023-2024. Boone, Warren, and White saw drops in 2023-2024.



## Trauma & Injury Prevention

# Death Counts From Overdoses, Cocaine

**Table 37. Cocaine Overdoses, Death Counts by County, 2022-2024**

County	2022	2023	2024
BENTON	0	0	0
BOONE (PR)	1	1	0
CARROLL	0	0	0
CLINTON	0	0	0
FOUNTAIN	0	0	0
MONTGOMERY	1	0	0
WARREN	0	0	0
WHITE	0	1	0
<b>Regional Total</b>	<b>2</b>	<b>2</b>	<b>0</b>
<b>Statewide Total</b>	<b>478</b>	<b>442</b>	<b>348</b>

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural.*

Key takeaways: White saw an increase in 2022-2023. Montgomery saw a drop in 2022-2023. Boone and White saw drops in 2023-2024.

## Trauma & Injury Prevention

# Death Counts From Overdoses, Psychostimulants Other Than Cocaine

**Table 38. Psychostimulant Overdoses Other Than Cocaine, Death Counts by County, 2022-2024**

County	2022	2023	2024
BENTON	0	0	0
BOONE (PR)	5	6	3
CARROLL	2	0	0
CLINTON	3	5	4
FOUNTAIN	1	1	2
MONTGOMERY	2	5	3
WARREN	1	1	0
WHITE	2	1	4
<b>Regional Total</b>	<b>16</b>	<b>19</b>	<b>16</b>
<b>Statewide Total</b>	<b>948</b>	<b>763</b>	<b>678</b>

Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural.

Key takeaways: Montgomery saw an increase in 2022-2023. White saw an increase in 2023-2024. Boone saw a drop in 2023-2024.



## Trauma & Injury Prevention

# Death Counts From Overdoses, Synthetic Opioid

Table 39. Synthetic Opioid Overdoses, Death Counts by County, 2022-2024			
County	2022	2023	2024
BENTON	0	1	0
BOONE (PR)	9	12	6
CARROLL	2	4	0
CLINTON	2	6	5
FOUNTAIN	2	0	0
MONTGOMERY	6	4	1
WARREN	0	1	0
WHITE	2	0	3
<b>Regional Total</b>	<b>23</b>	<b>28</b>	<b>15</b>
<b>Statewide Total</b>	<i>1,911</i>	<i>1,504</i>	<i>1,045</i>

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural.*

Key takeaways: Boone saw a drop in 2023-2024.

# Trauma & Injury Prevention

Health topic: **Opioid prescribing**

Metric: **Opioid prescribing rate (per thousand)**

Source: Indiana Scheduled Prescription Electronic Collection and Tracking Program (INSPECT)

## Trauma & Injury Prevention

# Opioid Prescribing Rate

Table 40. Opioid Prescribing Rate per 1,000 by County, 2022-2024

County	2022	2023	2024
BENTON	644.8	624.8	578.6
BOONE (PR)	546.1	532.5	475.2
CARROLL	475.8	486.9	457.8
CLINTON	728.3	763.9	702.9
FOUNTAIN	873.8	831.7	783.9
MONTGOMERY	786.1	793.2	751.2
WARREN	444.3	454.2	394.7
WHITE	668.3	697.7	651.7
<b>Regional Rate</b>	<b>644.9</b>	<b>646.9</b>	<b>595.2</b>
<b>Statewide Rate</b>	701.2	686.2	628.7

Data Source: Indiana Scheduled Prescription Electronic Collection and Tracking Program (INSPECT). Source is same for state and county.  
PR = partially rural.

Key takeaways: Rates are low for Warren compared to the region.

# Trauma & Injury Prevention

Health topic: **Suicide and non-fatal self-harm**

Metric: **Death rate from self-harm, non-fatal hospitalization rate from self-harm** and **non-fatal ED visit rate from self-harm**

Source: **IDOH Vital Records** and **IHA Hospital Discharge dataset**



Trauma & Injury Prevention

# Deaths From Self-Harm

**Table 41. Self-Harm, Death Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	11.5*	22.9*	22.6*
BOONE (PR)	10.8*	21.0*	7.6*
CARROLL	19.5*	19.5*	4.8*
CLINTON	18.3*	12.2*	9.1*
FOUNTAIN	30.2*	23.9*	17.8*
MONTGOMERY	15.7*	15.6*	20.7*
WARREN	0.0*	11.7*	11.8*
WHITE	24.4*	32.1*	8.1*
<b>Regional Rate</b>	<b>16.1</b>	<b>19.8</b>	<b>11.3</b>
<b>Statewide Rate</b>	<b>16.8</b>	<b>17.3</b>	<b>16.9</b>

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. PR = partially rural. \* = Unstable (count is less than 20).*

Key takeaways: No definitive trends or regional differences.



## Trauma & Injury Prevention

# ED Visits From Self-Harm

**Table 42. Self-Harm, ED Visit Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	137.6*	229.1	124.3*
BOONE (PR)	70.1	94.6	74.9
CARROLL	53.5*	87.7*	91.6*
CLINTON	137.0	122.2	124.6
FOUNTAIN	144.8	89.7*	95.1*
MONTGOMERY	112.4	140.0	126.8
WARREN	(S)	70.4*	94.7*
WHITE	117.9	116.4	56.4*
<b>Regional Rate</b>	<b>98.1</b>	<b>112.0</b>	<b>94.3</b>
<b>Statewide Rate</b>	<i>111.9</i>	<i>108.7</i>	<i>105.3</i>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: No definitive trends or regional differences.



Trauma & Injury Prevention

# Hospitalizations From Self-Harm

**Table 43. Self-Harm, Hospitalization Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
BENTON	(S)	(S)	(S)
BOONE (PR)	25.6*	28.9	19.0*
CARROLL	(S)	(S)	(S)
CLINTON	15.2*	30.6*	(S)
FOUNTAIN	(S)	29.9*	(S)
MONTGOMERY	28.7*	31.1*	18.1*
WARREN	(S)	(S)	(S)
WHITE	40.7*	24.1*	(S)
<b>Regional Rate</b>	<b>24.1</b>	<b>27.3</b>	<b>17.8</b>
<b>Statewide Rate</b>	30.7	29.4	27.5

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = Unstable (count is between 5 and 19). (S) = Suppressed (count is less than 5).*

Key takeaways: No definitive trends or regional differences.

# Syndromic Surveillance

Health topic: **Emergency department utilization**

Metric: **Emergency department visit counts**

Source: **IHA Hospital Discharge dataset**

*\*ED visit counts by facility represent where care is accessed, not necessarily where the patient lives. A count of 0 indicates that individuals rely on neighboring counties for emergency care.*



## Syndromic Surveillance

# Emergency Department Utilization

Table 44. ED Visit Counts by Facility County, 2020-2024					
County	2020	2021	2022	2023	2024
BENTON	0*	0*	0*	0*	0*
BOONE (PR)	17,091	22,310	25,272	28,601	30,748
CARROLL	0*	0*	0*	0*	0*
CLINTON	7,450	9,286	11,172	12,157	12,608
FOUNTAIN	0*	0*	0*	0*	0*
MONTGOMERY	14,444	16,130	17,903	19,195	19,686
WARREN	6,497	7,122	6,782	7,068	7,575
WHITE	10,864	12,869	13,995	14,813	15,892
<b>Regional Total</b>	<b>56,346</b>	<b>67,717</b>	<b>75,124</b>	<b>81,834</b>	<b>86,509</b>
<b>Statewide Total</b>	<b>835,498</b>	<b>934,002</b>	<b>995,892</b>	<b>1,017,665</b>	<b>1,017,155</b>

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. PR = partially rural. \* = No emergency departments within the county.*

Key takeaways: Counts are increasing both for this region and for the state. Boone saw an increase in 2020-2021. Boone saw an increase in 2022-2023.

# Vitality

Health topic: **Life expectancy**

Metric: **Average life expectancy**

Source: **University of Wisconsin Population Institute**

## Vitality

# Life Expectancy

Table 45. Life Expectancy by County, 2019-2021

County	2019-2021
BENTON	75.9
BOONE (PR)	78.0
CARROLL	79.5
CLINTON	75.3
FOUNTAIN	73.7
MONTGOMERY	76.8
WARREN	78.0
WHITE	75.4
<b>Regional Average</b>	<b>76.8</b>
<b>Statewide Average</b>	75.6

*Data Source: University of Wisconsin Population Health Institute. Source is same for state and county. PR = partially rural.*

Key takeaways: No definitive trends or regional differences.

# Medical Workforce

Health topic: **Professional capacity**

Metric: **Healthcare provider ratio**

Definition: **Ratio of full-time equivalent physician count to population**

Source: **IU School of Medicine Bowen Center**

## Medical Workforce

# Provider Ratio

Table 4.6. Provider Ratios by County, 2015-2023					
County	2015	2017	2019	2021	2023
BENTON	nan	nan	3,018	7,956	3,126
BOONE (PR)	175	153	119	97	94
CARROLL	3,574	3,281	3,776	3,706	3,511
CLINTON	1,466	1,128	957	715	793
FOUNTAIN	2,448	4,967	2,252	1,987	1,672
MONTGOMERY	792	781	468	552	779
WARREN	703	1,673	909	675	412
WHITE	1,277	844	862	622	772
<b>Regional Ratio</b>	<b>457</b>	<b>406</b>	<b>311</b>	<b>261</b>	<b>260</b>
<b>Statewide Ratio</b>	<b>361</b>	<b>316</b>	<b>209</b>	<b>205</b>	<b>215</b>

*Data Source: Bowen Center for Health Workforce Research and Policy. Source is same for state and county. PR = partially rural.*

Key takeaways: Values are low for Boone compared to the region. Values are high for Carroll, Clinton, Fountain, Montgomery, Warren, and White compared to the region. Values are decreasing for this region but not for the state. Fountain saw an increase in 2015-2017. Fountain saw a drop in 2017-2019. Benton saw an increase in 2019-2021. Benton saw a drop in 2021-2023.

# Geospatial Analysis

Health topic: **Drive-time to medical resources**

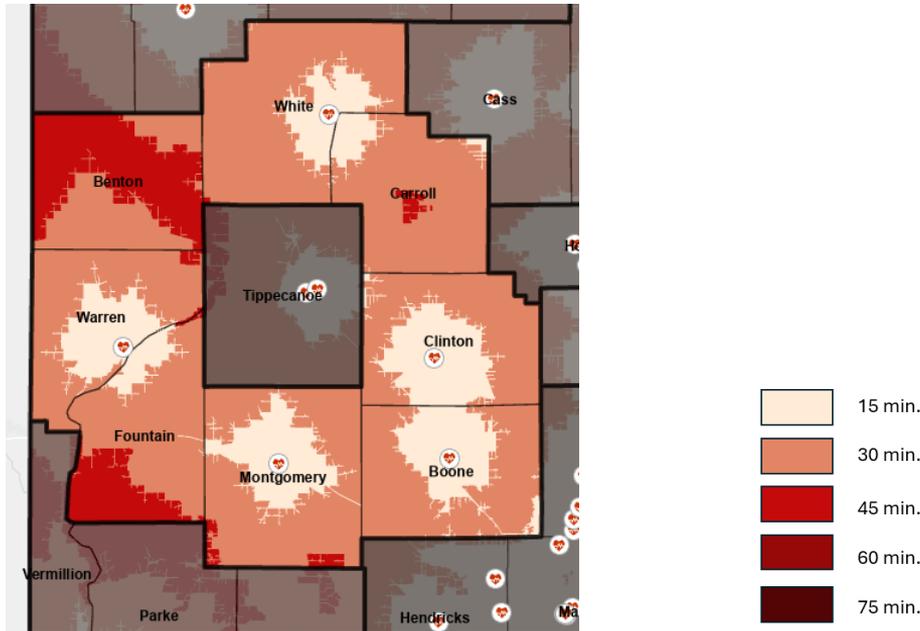
Metric: **Drive-time analysis of local emergency departments\*** and  
**Drive-time analysis of local birthing hospitals\***

Source: **IDOH Maternal and Child Health** and **Indiana Hospital Association**

*\*Out-of-state emergency departments and birthing hospitals were not included in this analysis.*

# Geospatial Analysis

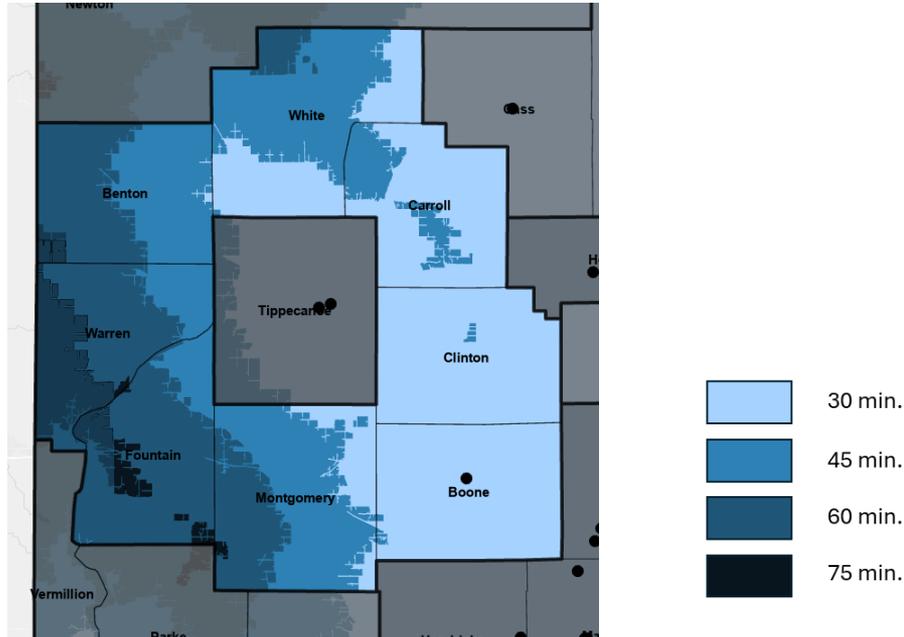
Drive-time to emergency departments



Key takeaways: Most of Benton county, as well as parts of Fountain, Montgomery and Carroll counties exhibit drive-times of 45 minutes to access emergency care within Indiana.

# Geospatial Analysis

Drive-time to birthing hospitals



Key takeaways:  
Substantial portions of Benton, Warren, White, Fountain and Montgomery county exhibit drive-times of 60+ minutes to access care at an Indiana birthing hospital. Fountain, Montgomery and Warren county contain areas that are more than 75 minutes from the nearest Indiana facility.