



**INDIANA**  
RURAL HEALTH TRANSFORMATION

# Rural Health Regional Data Summaries



**Indiana**  
Department  
of  
**Health**

# Data Trends: Health topics of potential impact





# INDIANA

RURAL HEALTH TRANSFORMATION

## REGION 1



Indiana  
Department  
of  
Health

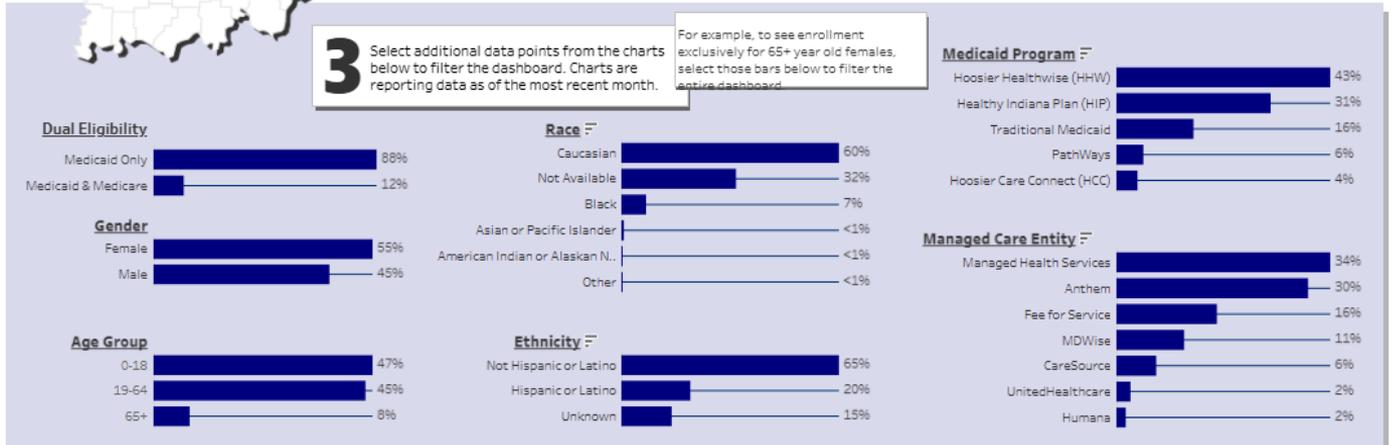
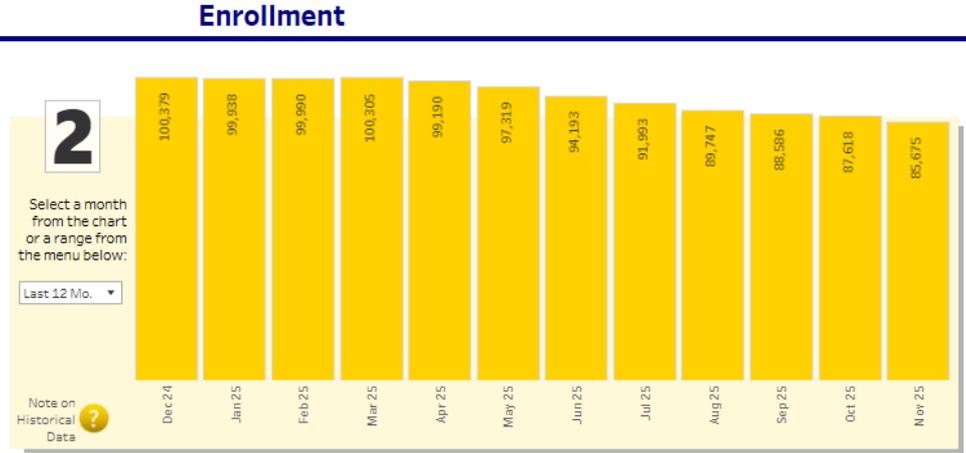
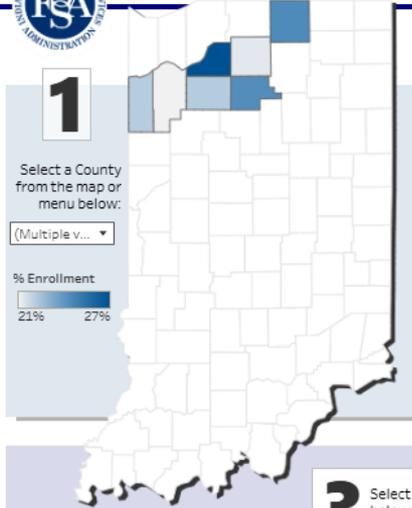
# Region 1

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

- Elkhart\*
- Fulton
- Jasper
- Marshall
- Newton
- Pulaski
- Starke



# 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
ELKHART (PR)	37.3%	38.2%	42.5%
FULTON	40.6%	35.9%	41.8%
JASPER	34.4%	34.6%	38.0%
MARSHALL	40.2%	36.6%	35.9%
NEWTON	39.8%	36.7%	41.5%
PULASKI	40.3%	40.4%	41.4%
STARKE	40.6%	41.8%	40.1%
<b>Regional Average</b>	<b>38.0%</b>	<b>37.8%</b>	<b>40.9%</b>
<b>Statewide Rate</b>	37.0%	36.0%	38.0%

*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: Fulton 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
ELKHART (PR)	0.4%
FULTON	0.3%
JASPER	0.6%
MARSHALL	0.4%
NEWTON	0.5%
PULASKI	0.5%
STARKE	0.5%
<b>Regional Rate</b>	<b>0.4%</b>
<b>Statewide Rate</b>	0.5%

*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 Fulton compared to the region. Rates are high for Jasper 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
ELKHART (PR)	8.8%
FULTON	13.4%
JASPER	12.2%
MARSHALL	13.9%
NEWTON	9.9%
PULASKI	12.8%
STARKE	11.0%
<b>Regional Rate</b>	<b>10.4%</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 high for Marshall 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
ELKHART (PR)	38.5	49.2	43.3	39.7	46.9
FULTON	66.5*	51.8*	78.1*	84.7*	39.3*
JASPER	34.1*	11.7*	12.7*	35.4*	30.8*
MARSHALL	21.6*	46.1	23.5*	36.5*	20.4*
NEWTON	0.0*	72.0*	45.6*	43.3*	46.9*
PULASKI	39.5*	47.1*	37.1*	41.9*	62.7*
STARKE	43.9*	24.3*	41.3*	19.7*	14.8*
<b>Regional Rate</b>	<b>36.3</b>	<b>44.4</b>	<b>39.4</b>	<b>40.8</b>	<b>39.4</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: No definitive trends or regional differences.

## 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
ELKHART (PR)	229.4	356.7	293.9	367.0	315.1
FULTON	339.4	369.8	270.8	417.7	260.9
JASPER	327.7	307.2	259.5	391.9	363.7
MARSHALL	245.2	287.4	286.4	334.7	319.5
NEWTON	286.1	154.9	219.9	363.9	304.2
PULASKI	417.7	326.3	443.9	319.0	340.2
STARKE	416.7	399.8	541.0	483.4	441.2
<b>Regional Rate</b>	<b>270.1</b>	<b>340.3</b>	<b>307.0</b>	<b>374.7</b>	<b>127.1</b>
<b>Statewide Rate</b>	<b>344.1</b>	<b>364.1</b>	<b>365.3</b>	<b>401.7</b>	<b>406.9</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 high for Starke compared to the region. Fulton 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
ELKHART (PR)	23.0%
FULTON	35.3%
JASPER	46.7%
MARSHALL	46.8%
NEWTON	49.1%
PULASKI	37.4%
STARKE	44.9%
<b>Regional Rate</b>	<b>31.9%</b>
<b>Statewide Rate</b>	<b>47.5%</b>
<small>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.</small>	

Key takeaways: Rates are low for Elkhart compared to the region. Rates are high for Jasper, Marshall, Newton, and Starke compared to the region. Rates for this region are low for Indiana.

## 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
ELKHART (PR)	30.1	36.8	37.2	46.5	39.4
FULTON	38.9*	32.9*	38.9*	36.4*	41.8*
JASPER	24.8*	24.0*	16.5*	52.7*	24.1*
MARSHALL	37.2*	51.2	49.2	52.1	29.9*
NEWTON	25.4*	64.9*	45.0*	56.6*	43.5*
PULASKI	14.0*	46.0*	67.6*	52.7*	13.2*
STARKE	24.2*	54.4*	23.1*	42.0*	28.4*
<b>Regional Rate</b>	<b>30.2</b>	<b>40.4</b>	<b>38.1</b>	<b>47.6</b>	<b>35.1</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: No definitive trends or regional differences.

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
ELKHART (PR)	287.3	347.0	383.9	587.1	458.0
FULTON	355.4	509.2	582.1	637.3	768.2
JASPER	417.0	545.3	507.7	527.1	602.0
MARSHALL	319.9	303.2	401.2	438.9	452.7
NEWTON	343.8	384.1	408.5	322.6	233.1
PULASKI	564.5	607.4	607.4	796.0	661.8
STARKE	404.2	480.4	611.7	605.8	549.6
<b>Regional Rate</b>	<b>331.4</b>	<b>395.2</b>	<b>438.1</b>	<b>570.3</b>	<b>497.7</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 high for Pulaski compared to the region. Rates for this region are low for Indiana. Fulton saw an increase in 2020-2021. Elkhart and Pulaski saw increases in 2022-2023.

# 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
ELKHART (PR)	238.5	256.9	241.3	234.9	205.2
FULTON	210.8	243.2	227.6	196.1	268.3
JASPER	341.9	232.1	265.6	234.8	217.6
MARSHALL	284.1	254.6	287.9	307.9	282.7
NEWTON	249.3	345.6	335.6	203.2	300.6
PULASKI	241.3	299.7	316.0	245.2	211.5
STARKE	356.6	385.4	327.4	316.6	279.8
<b>Regional Rate</b>	<b>261.9</b>	<b>268.5</b>	<b>263.0</b>	<b>247.6</b>	<b>231.7</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: Newton saw an increase in 2020-2021. Jasper saw a drop in 2020-2021. Newton saw a drop in 2022-2023. Newton 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
ELKHART (PR)	390.9	515.6	505.7	603.8	538.6
FULTON	759.6	837.2	1,022.9	1,148.4	1,195.8
JASPER	698.2	878.3	753.7	781.3	775.1
MARSHALL	665.3	699.6	775.1	866.1	884.0
NEWTON	515.5	590.8	466.5	441.4	406.2
PULASKI	1,152.1	1,431.1	1,326.5	1,480.5	1,433.8
STARKE	807.0	990.4	919.2	812.4	942.6
<b>Regional Rate</b>	<b>549.9</b>	<b>673.9</b>	<b>660.8</b>	<b>738.0</b>	<b>709.5</b>
<b>Statewide Rate</b>	639.1	730.6	734.8	769.9	753.9

*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 Newton compared to the region. Rates are high for Fulton, Pulaski, and Starke compared to the region. Pulaski saw an increase in 2020-2021.

# 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
ELKHART (PR)	56.3	59.0	62.1	44.3	60.8
FULTON	89.4*	88.4*	70.1*	71.5*	44.3*
JASPER	61.1*	38.9*	72.6	41.1*	57.1
MARSHALL	68.9	61.5	66.6	69.3	49.5
NEWTON	44.3*	68.5*	48.9*	61.9*	67.0*
PULASKI	52.0*	37.3*	39.0*	25.8*	76.2*
STARKE	86.6*	20.4*	63.2*	56.1*	62.6*
<b>Regional Rate</b>	<b>62.2</b>	<b>56.6</b>	<b>63.1</b>	<b>50.2</b>	<b>59.4</b>
<b>Statewide Rate</b>	<i>57.0</i>	<i>59.0</i>	<i>56.1</i>	<i>56.0</i>	<i>55.7</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). Rates are age-adjusted.*

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

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
ELKHART (PR)	67.2	89.6	90.7	101.2	108.6
FULTON	161.6	212.9	212.5	164.4	188.5
JASPER	77.3	112.2	119.7	153.7	130.3
MARSHALL	89.4	115.3	130.4	101.1	122.9
NEWTON	53.7*	54.4*	104.9*	65.0*	70.6*
PULASKI	172.9	214.5	259.3	193.7	206.1
STARKE	142.4	113.1	157.5	219.6	188.0
<b>Regional Rate</b>	<b>86.8</b>	<b>108.8</b>	<b>120.9</b>	<b>121.1</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 high for Fulton, Pulaski, and Starke compared to the region. Rates are increasing both for this region and for the state. Starke saw an increase in 2022-2023. Pulaski saw a drop in 2022-2023.

# 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
ELKHART (PR)	17.6%
FULTON	29.6%
JASPER	20.0%
MARSHALL	14.5%
NEWTON	20.0%
PULASKI	29.6%
STARKE	29.6%
<b>Regional Rate</b>	<b>19.5%</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: Rates are low for Marshall compared to the region. Rates are high for Fulton, Pulaski, and Starke compared to the region.

## 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
ELKHART (PR)	7.6%	4.7%	3.1%	2.7%
FULTON	16.2%	11.3%	10.8%	5.3%*
JASPER	12.5%	9.6%	8.5%	4.4%*
MARSHALL	8.5%	7.3%	4.9%	4.3%
NEWTON	19.6%	13.6%	11.3%*	4.5%*
PULASKI	20.5%	9.2%*	8.0%*	8.1%*
STARKE	15.6%	9.3%	9.2%	5.9%*
<b>Regional Rate</b>	<b>9.7%</b>	<b>6.4%</b>	<b>4.9%</b>	<b>3.6%</b>
<b>Statewide Rate</b>	<b>9.0%</b>	<b>6.6%</b>	<b>5.3%</b>	<b>3.8%</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: Rates are low for Elkhart compared to the region. Rates are decreasing both for this region and for the state. Fulton, Newton, and Starke saw drops in 2021-2022.

# 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
ELKHART (PR)	8.3	8.2	7.5	6.5	6.3
FULTON	12.0*	10.3*	11.4*	9.0*	7.4*
JASPER	8.1*	6.5*	5.0*	4.9*	4.3*
MARSHALL	7.2	8.0	7.8	6.7*	7.6
NEWTON	(S)	(S)	(S)	(S)	(S)
PULASKI	10.9*	12.8*	9.6*	11.2*	9.7*
STARKE	(S)	4.7*	(S)	(S)	3.9*
<b>Regional Rate</b>	<b>8.0</b>	<b>8.0</b>	<b>7.3</b>	<b>6.3</b>	<b>6.2</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
ELKHART (PR)	6.2%	6.9%	7.3%	7.8%	7.3%
FULTON	9.6%	6.4%*	6.9%*	7.0%*	8.1%*
JASPER	9.0%	7.0%	8.1%	7.7%	6.9%
MARSHALL	5.3%	6.0%	6.0%	8.2%	6.6%
NEWTON	5.9%*	7.2%*	10.1%*	5.7%*	7.8%*
PULASKI	5.8%*	10.3%*	7.7%*	10.4%*	5.6%*
STARKE	12.6%	7.6%*	8.1%	6.8%*	9.7%
<b>Regional Rate</b>	<b>6.8%</b>	<b>6.9%</b>	<b>7.3%</b>	<b>7.7%</b>	<b>7.3%</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 less than 20).*

Key takeaways: Jasper saw a drop in 2020-2021. Marshall saw an increase in 2022-2023.

# 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
ELKHART (PR)	7.9%	9.4%	9.9%	9.6%	9.6%
FULTON	11.0%	9.4%	12.3%	6.1%*	9.6%
JASPER	11.2%	10.1%	9.0%	12.4%	10.8%
MARSHALL	7.7%	9.0%	6.9%	10.7%	8.3%
NEWTON	7.4%*	9.8%*	13.0%	8.5%*	11.0%*
PULASKI	5.8%*	13.7%*	10.8%*	12.0%*	8.9%*
STARKE	11.8%	12.6%	10.2%	16.7%	14.9%
<b>Regional Rate</b>	<b>8.4%</b>	<b>9.7%</b>	<b>9.7%</b>	<b>10.2%</b>	<b>9.9%</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: Rates are high for Starke compared to the region. Starke saw an increase in 2022-2023.

# 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
ELKHART (PR)	39.7%	37.8%	37.6%	32.5%	29.9%
FULTON	35.8%	31.6%	25.6%	20.6%	35.9%
JASPER	33.0%	35.3%	26.7%	24.0%	23.6%
MARSHALL	35.1%	32.7%	32.6%	30.8%	30.5%
NEWTON	27.4%	39.9%	33.1%	24.8%	28.6%
PULASKI	30.0%	35.9%	29.2%	23.2%	22.6%
STARKE	32.5%	35.3%	26.8%	27.1%	22.9%
<b>Regional Rate</b>	<b>37.4%</b>	<b>36.5%</b>	<b>34.7%</b>	<b>30.2%</b>	<b>29.0%</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.*

Key takeaways: Rates are decreasing for this region but not for the state. Newton saw an increase in 2020-2021. Fulton saw an increase in 2023-2024.

# 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
ELKHART (PR)	70.6	91.9	83.9
FULTON	24.0*	46.6*	91.3*
JASPER	31.8*	77.6*	15.2*
MARSHALL	57.0*	44.4*	66.2*
NEWTON	0.0*	34.3*	0.0*
PULASKI	109.6*	36.9*	214.7*
STARKE	42.2*	81.8*	59.3*
<b>Regional Rate</b>	<b>57.9</b>	<b>74.7</b>	<b>74.7</b>
<b>Statewide Rate</b>	<b>53.1</b>	<b>58.1</b>	<b>58.4</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 Falls (Age 65+)

**Table 20. Falls (Age 65+), ED Visit Rates per 100,000 by County, 2022-2024**

County	2022	2023	2024
ELKHART (PR)	4,809.8	5,407.6	5,306.5
FULTON	6,895.7	7,360.8	7,667.7
JASPER	5,872.1	5,755.5	6,284.2
MARSHALL	7,026.3	7,271.3	6,797.6
NEWTON	2,977.2	2,878.7	3,233.4
PULASKI	7,268.1	7,609.9	8,622.5
STARKE	6,815.8	5,156.5	6,784.0
<b>Regional Rate</b>	<b>5,546.7</b>	<b>5,801.3</b>	<b>5,943.1</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 Newton compared to the region. Rates are high for Pulaski compared to the region. Rates are increasing both for this region and for the state. Starke saw a drop in 2022-2023. Starke 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
ELKHART (PR)	990.8	1,010.5	1,042.7
FULTON	937.0	1,048.2	1,095.4
JASPER	1,161.7	1,132.5	1,335.8
MARSHALL	1,117.8	976.9	993.2
NEWTON	735.6	514.1*	875.7
PULASKI	1,132.2	997.4	1,574.2
STARKE	1,392.7	1,105.0	1,107.6
<b>Regional Rate</b>	<b>1,047.6</b>	<b>1,004.5</b>	<b>1,089.9</b>
<b>Statewide Rate</b>	<b>1,103.9</b>	<b>1,132.9</b>	<b>1,187.9</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: Starke saw a drop in 2022-2023. Pulaski saw an increase in 2023-2024.

# 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
ELKHART (PR)	18.4	14.0	15.4
FULTON	24.6*	29.5*	25.0*
JASPER	21.0*	29.8*	27.0*
MARSHALL	19.4*	15.1*	17.2*
NEWTON	21.7*	35.8*	35.4*
PULASKI	16.0*	0.0*	16.1*
STARKE	12.9*	34.5*	8.5*
<b>Regional Rate</b>	<b>18.8</b>	<b>18.2</b>	<b>17.6</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 for this region are high for Indiana. 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
ELKHART (PR)	693.6	631.3	678.8
FULTON	600.2	628.7	664.9
JASPER	724.1	837.9	781.7
MARSHALL	582.8	537.2	531.6
NEWTON	535.3	522.9	608.6
PULASKI	712.9	718.6	893.6
STARKE	687.9	917.9	1,035.7
<b>Regional Rate</b>	<b>670.9</b>	<b>655.8</b>	<b>696.6</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: Starke saw an increase in 2022-2023. Pulaski saw an increase in 2023-2024.

## 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
ELKHART (PR)	57.5	48.4	53.5
FULTON	54.1*	88.4*	85.0*
JASPER	42.1*	44.7*	71.9
MARSHALL	79.9	56.1	47.3
NEWTON	36.2*	35.8*	63.7*
PULASKI	120.1*	48.4*	96.6*
STARKE	47.3*	107.7	55.4*
<b>Regional Rate</b>	<b>59.5</b>	<b>54.7</b>	<b>58.2</b>
<b>Statewide Rate</b>	<b>44.4</b>	<b>47.0</b>	<b>45.1</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: Marshall saw a drop in 2022-2023.

# 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
ELKHART (PR)	21.8	20.3	14.0
FULTON	44.3*	24.6*	55.0*
JASPER	18.0*	59.6	18.0*
MARSHALL	25.9*	6.5*	23.7*
NEWTON	14.5*	43.0*	49.5*
PULASKI	40.0*	24.2*	88.6*
STARKE	34.4*	30.2*	42.6*
<b>Regional Rate</b>	<b>24.4</b>	<b>24.1</b>	<b>23.8</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: Rates are decreasing for this region but increasing for the state.

## 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
ELKHART (PR)	250.9	290.2	255.0
FULTON	162.3	284.9	334.9
JASPER	333.5	325.0	275.6
MARSHALL	239.6	230.8	251.8
NEWTON	159.2	121.8*	155.7
PULASKI	544.7	694.4	603.8
STARKE	245.1	215.5	264.2
<b>Regional Rate</b>	<b>258.4</b>	<b>288.0</b>	<b>269.8</b>
<b>Statewide Rate</b>	<b>246.1</b>	<b>260.1</b>	<b>261.2</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 high for Pulaski compared to the region. Fulton and Pulaski 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
ELKHART (PR)	67.7	66.9	70.4
FULTON	49.2*	78.6*	85.0*
JASPER	81.1	71.6	83.9
MARSHALL	82.0	58.2	64.6
NEWTON	(S)	57.3*	49.5*
PULASKI	112.1*	72.7*	72.5*
STARKE	73.1*	73.3*	93.8
<b>Regional Rate</b>	<b>69.3</b>	<b>67.1</b>	<b>72.5</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: Marshall saw a drop in 2022-2023.

# 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
ELKHART (PR)	16.0	15.0	15.9
FULTON	9.8*	19.6*	10.0*
JASPER	24.0*	11.9*	24.0*
MARSHALL	34.5*	32.4*	15.1*
NEWTON	21.7*	35.8*	35.4*
PULASKI	64.1*	16.1*	48.3*
STARKE	73.1*	43.1*	38.4*
<b>Regional Rate</b>	<b>24.4</b>	<b>19.9</b>	<b>19.6</b>
<b>Statewide Rate</b>	<b>39.7</b>	<b>32.4</b>	<b>24.7</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).*

Key takeaways: Rates are low for Elkhart compared to the region. 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
ELKHART (PR)	190.9	181.7	148.0
FULTON	216.5	230.9	165.0
JASPER	204.3	241.5	194.7
MARSHALL	237.4	230.8	200.2
NEWTON	115.7*	121.8*	134.5*
PULASKI	216.3	242.2	233.5
STARKE	356.9	293.0	247.2
<b>Regional Rate</b>	<b>208.5</b>	<b>203.5</b>	<b>169.0</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 high for Starke compared to the region. Rates are decreasing both for this region and for the state. Fulton saw a drop 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
ELKHART (PR)	80.7	86.7	70.4
FULTON	59.0*	78.6*	40.0*
JASPER	54.1*	83.5	71.9
MARSHALL	51.8	38.8*	47.3
NEWTON	50.6*	(S)	49.5*
PULASKI	56.1*	80.7*	136.9*
STARKE	55.9*	56.0*	55.4*
<b>Regional Rate</b>	<b>69.6</b>	<b>75.0</b>	<b>66.3</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: No definitive trends or regional differences.

# 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
ELKHART (PR)	10.6	6.8*	11.1
FULTON	4.9*	14.7*	10.0*
JASPER	18.0*	8.9*	9.0*
MARSHALL	34.5*	25.9*	10.8*
NEWTON	14.5*	28.7*	21.2*
PULASKI	64.1*	16.1*	32.2*
STARKE	47.3*	34.5*	38.4*
<b>Regional Rate</b>	<b>18.5</b>	<b>12.9</b>	<b>13.7</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: Rates for this region are low for Indiana.

## 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
ELKHART (PR)	42.5	28.1	25.1
FULTON	83.6*	39.3*	35.0*
JASPER	66.1	71.6	41.9*
MARSHALL	58.3	66.9	36.6*
NEWTON	(S)	35.8*	35.4*
PULASKI	96.1*	72.7*	(S)
STARKE	180.6	155.1	106.6
<b>Regional Rate</b>	<b>59.2</b>	<b>48.0</b>	<b>34.7</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 are low for Elkhart compared to the region. Rates are high for Starke compared to the region. Rates for this region are low for Indiana. Rates are decreasing both for this region and for the state. Starke saw a drop in 2023-2024.

Trauma & Injury Prevention

# Hospitalizations From Opioid Overdoses

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

County	2022	2023	2024
ELKHART (PR)	13.5	20.8	14.0
FULTON	(S)	(S)	(S)
JASPER	(S)	20.9*	(S)
MARSHALL	13.0*	(S)	12.9*
NEWTON	(S)	(S)	(S)
PULASKI	(S)	(S)	(S)
STARKE	(S)	30.2*	(S)
<b>Regional Rate</b>	<b>12.1</b>	<b>19.1</b>	<b>12.9</b>
<b>Statewide Rate</b>	<b>20.3</b>	<b>20.7</b>	<b>17.6</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: 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
ELKHART (PR)	22	14	23
FULTON	1	3	2
JASPER	6	3	3
MARSHALL	16	12	5
NEWTON	2	4	3
PULASKI	8	2	4
STARKE	11	8	9
<b>Regional Total</b>	<b>66</b>	<b>46</b>	<b>49</b>
<b>Statewide Total</b>	<i>2,064</i>	<i>1,608</i>	<i>1,149</i>

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

Key takeaways: Elkhart saw a drop in 2022-2023. Elkhart saw an increase 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
ELKHART (PR)	1	0	0
FULTON	0	0	0
JASPER	1	0	1
MARSHALL	1	0	1
NEWTON	0	0	0
PULASKI	2	0	0
STARKE	1	0	1
<b>Regional Total</b>	<b>6</b>	<b>0</b>	<b>3</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: Pulaski saw a drop in 2022-2023.

Trauma & Injury Prevention

# Death Counts From Overdoses, Benzodiazepine

**Table 36. Benzodiazepine Overdoses, Death Counts by County, 2022-2024**

County	2022	2023	2024
ELKHART (PR)	2	3	3
FULTON	0	1	0
JASPER	1	1	1
MARSHALL	1	0	0
NEWTON	0	0	0
PULASKI	1	0	0
STARKE	3	1	1
<b>Regional Total</b>	<b>8</b>	<b>6</b>	<b>5</b>
<b>Statewide Total</b>	<i>212</i>	<i>187</i>	<i>142</i>

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

Key takeaways: Counts are decreasing both for this region and for the state. Starke saw a drop in 2022-2023.

## Trauma & Injury Prevention

# Death Counts From Overdoses, Cocaine

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

County	2022	2023	2024
ELKHART (PR)	7	5	10
FULTON	0	0	1
JASPER	1	0	1
MARSHALL	3	0	0
NEWTON	2	2	0
PULASKI	0	0	0
STARKE	1	0	1
<b>Regional Total</b>	<b>14</b>	<b>7</b>	<b>13</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: Marshall saw a drop in 2022-2023. Elkhart saw an increase 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
ELKHART (PR)	13	14	10
FULTON	0	2	1
JASPER	3	3	4
MARSHALL	11	7	4
NEWTON	0	4	3
PULASKI	5	0	2
STARKE	9	6	4
<b>Regional Total</b>	<b>41</b>	<b>36</b>	<b>28</b>
<b>Statewide Total</b>	<b>948</b>	<b>763</b>	<b>618</b>

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

Key takeaways: Counts are decreasing both for this region and for the state. Pulaski saw a drop in 2022-2023.

## Trauma & Injury Prevention

# Death Counts From Overdoses, Synthetic Opioid

**Table 39. Synthetic Opioid Overdoses, Death Counts by County, 2022-2024**

County	2022	2023	2024
ELKHART (PR)	19	12	20
FULTON	1	3	2
JASPER	6	3	2
MARSHALL	15	9	5
NEWTON	2	4	1
PULASKI	7	2	4
STARKE	8	8	9
<b>Regional Total</b>	<b>58</b>	<b>41</b>	<b>43</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: Elkhart saw a drop in 2022-2023. Elkhart saw an increase 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
ELKHART (PR)	459.3	447.0	400.7
FULTON	766.2	763.1	709.4
JASPER	897.0	876.8	793.5
MARSHALL	574.8	546.7	493.7
NEWTON	603.2	598.6	545.1
PULASKI	942.6	907.7	812.7
STARKE	954.8	894.6	809.8
<b>Regional Rate</b>	<b>587.5</b>	<b>569.6</b>	<b>513.6</b>
<b>Statewide Rate</b>	<b>701.2</b>	<b>686.2</b>	<b>628.7</b>

*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 high for Fulton, Jasper, Pulaski, and Starke compared to the region. Rates are decreasing both for this region and for the state. Pulaski saw a drop in 2023-2024.

# 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
ELKHART (PR)	14.0	16.5	8.2*
FULTON	39.4*	19.6*	30.0*
JASPER	27.0*	35.8*	6.0*
MARSHALL	21.6*	12.9*	15.1*
NEWTON	28.9*	28.7*	14.2*
PULASKI	16.0*	24.2*	40.3*
STARKE	21.5*	30.2*	25.6*
<b>Regional Rate</b>	<b>18.8</b>	<b>19.7</b>	<b>12.6</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
ELKHART (PR)	153.7	122.6	111.8
FULTON	83.6*	103.2	120.0
JASPER	171.3	193.8	140.8
MARSHALL	153.2	112.2	127.0
NEWTON	57.9*	93.1*	99.1*
PULASKI	200.2	185.7	177.1
STARKE	137.6	99.1	153.4
<b>Regional Rate</b>	<b>148.1</b>	<b>126.3</b>	<b>121.5</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 less than 20).*

Key takeaways: Rates are high for Pulaski compared to the region. Rates are decreasing both for this region and for the state.

## Trauma & Injury Prevention

# Hospitalizations From Self-Harm

Table 43. Self-Harm, Hospitalization Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
ELKHART (PR)	39.2	34.9	25.1
FULTON	29.5*	29.5*	(S)
JASPER	24.0*	38.8*	24.0*
MARSHALL	23.7*	23.7*	23.7*
NEWTON	(S)	(S)	(S)
PULASKI	(S)	(S)	40.3*
STARKE	21.5*	25.9*	21.3*
<b>Regional Rate</b>	<b>32.8</b>	<b>31.4</b>	<b>24.3</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: Rates are decreasing both for this region and for the state.

# 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
ELKHART (PR)	60,817	64,266	63,946	64,735	64,755
FULTON	7,436	8,034	8,664	8,813	9,003
JASPER	7,385	8,283	8,583	8,598	8,818
MARSHALL	16,188	15,993	19,351	18,295	18,908
NEWTON	0*	0*	0*	0*	0*
PULASKI	3,572	4,265	4,552	4,718	4,629
STARKE	5,989	6,219	7,813	7,727	7,884
<b>Regional Total</b>	<b>101,387</b>	<b>107,060</b>	<b>112,909</b>	<b>112,886</b>	<b>113,997</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. Elkhart saw an increase in 2020-2021. Marshall and Starke saw increases in 2021-2022.

# 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
ELKHART (PR)	77.0
FULTON	74.4
JASPER	76.0
MARSHALL	76.8
NEWTON	74.4
PULASKI	72.5
STARKE	72.4
<b>Regional Average</b>	<b>76.2</b>
<b>Statewide Average</b>	<b>75.6</b>

*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 46. Provider Ratios by County, 2015-2023**

County	2015	2017	2019	2021	2023
ELKHART (PR)	600	522	288	296	299
FULTON	585	626	609	516	841
JASPER	1,742	1,979	664	1,011	849
MARSHALL	556	414	325	337	365
NEWTON	2,703	11,714	2,231	2,466	2,756
PULASKI	596	598	448	546	502
STARKE	635	896	753	808	811
<b>Regional Ratio</b>	<b>658</b>	<b>588</b>	<b>354</b>	<b>371</b>	<b>381</b>
<b>Statewide Ratio</b>	<b>367</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 high for Fulton, Jasper, Newton, and Starke compared to the region. Values for this region are high for Indiana. Newton saw an increase in 2015-2017. Newton saw a drop in 2017-2019.

# Geospatial Analysis

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

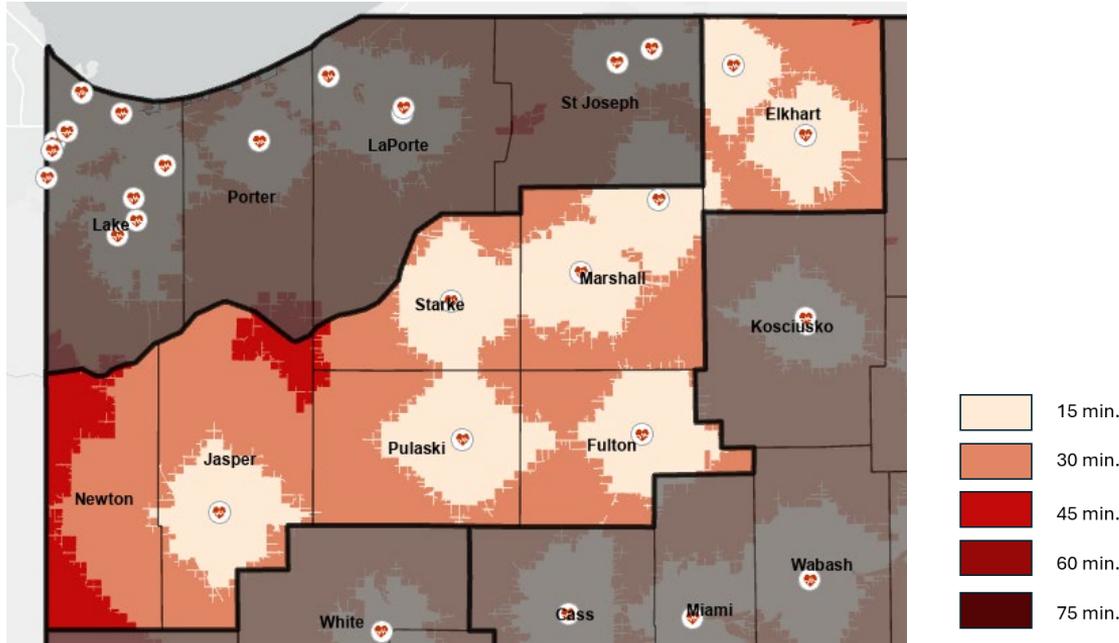
Metric: **Drive-time analysis of local emergency departments\*** and  
**Drive-time analysis of local birthing hospitals\***

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

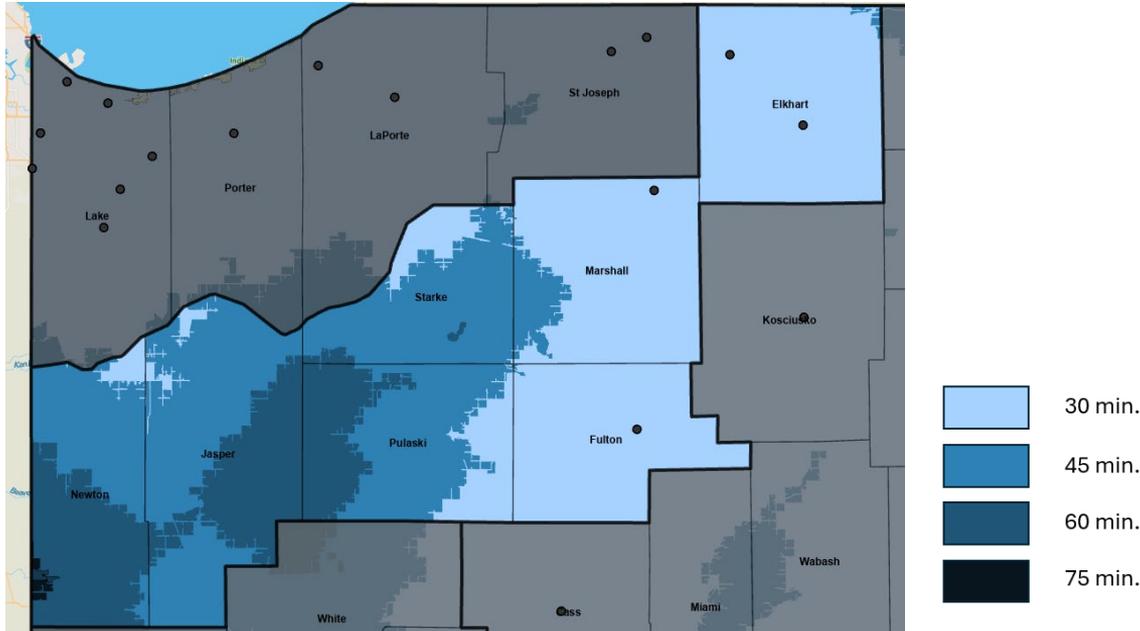
Drive-time to emergency departments



Key takeaways: Parts of Newtown and Jasper demonstrate the highest estimated drive-times to emergency care within the region, often exceeding 30 minutes.

# Geospatial Analysis

## Drive-time to birthing hospitals



Key takeaways: Parts of Newtown, Jasper, Pulaski, Marshall and Starke demonstrate the highest estimated drive-times to the nearest Indiana birthing hospital, within the region. Residents of these counties may travel up to 75 minutes to receive care.