



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



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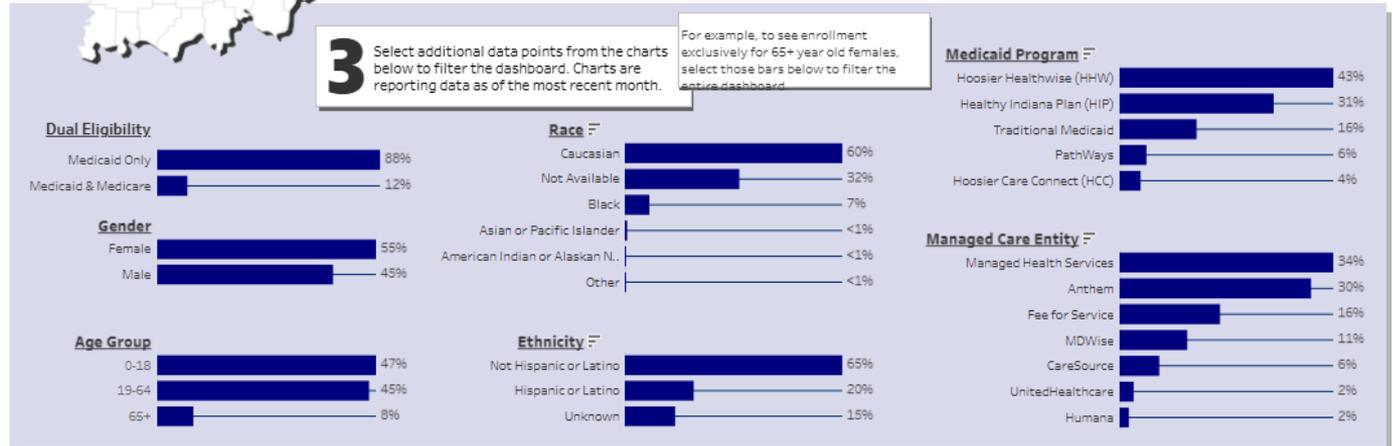
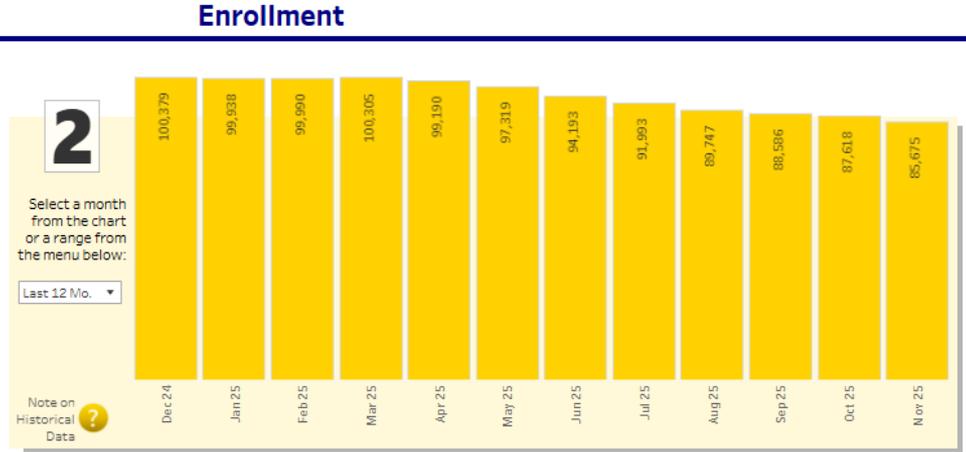
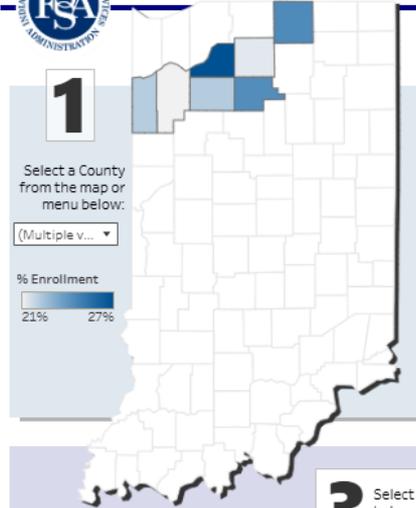
Region 1

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%
Regional Average	38.0%	37.8%	40.9%
Statewide Rate	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%
Regional Rate	0.4%
Statewide Rate	0.5%
<small>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.</small>	

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%
Regional Rate	10.4%
Statewide Rate	11.2%

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*
Regional Rate	36.3	44.4	39.4	40.8	39.4
Statewide Rate	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
Regional Rate	270.1	340.3	307.0	374.7	127.1
Statewide Rate	344.1	364.1	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. 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%
Regional Rate	31.9%
Statewide Rate	47.5%
<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*
Regional Rate	30.2	40.4	38.1	47.6	35.1
Statewide Rate	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
Regional Rate	331.4	395.2	438.1	570.3	497.7
Statewide Rate	528.5	590.1	634.8	704.1	654.9

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 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
Regional Rate	261.9	268.5	263.0	247.6	231.7
Statewide Rate	257.9	257.2	248.7	244.8	239.9

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
Regional Rate	549.9	673.9	660.8	738.0	709.5
Statewide Rate	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*
Regional Rate	62.2	56.6	63.1	50.2	59.4
Statewide Rate	57.0	59.0	56.1	56.0	55.7

*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). 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
Regional Rate	86.8	108.8	120.9	121.1	127.1
Statewide Rate	88.3	94.0	100.0	103.9	106.6

*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%
Regional Rate	19.5%
Statewide Rate	17.9%
<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%*
Regional Rate	9.7%	6.4%	4.9%	3.6%
Statewide Rate	9.0%	6.6%	5.3%	3.8%

*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*
Regional Rate	8.0	8.0	7.3	6.3	6.2
Statewide Rate	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%
Regional Rate	6.8%	6.9%	7.3%	7.7%	7.3%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

*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%
Regional Rate	8.4%	9.7%	9.7%	10.2%	9.9%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

*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%
Regional Rate	37.4%	36.5%	34.7%	30.2%	29.0%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

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*
Regional Rate	57.9	74.7	74.7
Statewide Rate	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: 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
Regional Rate	5,546.7	5,801.3	5,943.1
Statewide Rate	6,032.1	6,410.5	6,666.6

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
Regional Rate	1,047.6	1,004.5	1,089.9
Statewide Rate	1,103.9	1,132.9	1,187.9
<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: 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*
Regional Rate	18.8	18.2	17.6
Statewide Rate	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
Regional Rate	670.9	655.8	696.6
Statewide Rate	762.0	836.2	862.3

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*
Regional Rate	59.5	54.7	58.2
Statewide Rate	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 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*
Regional Rate	24.4	24.1	23.8
Statewide Rate	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
Regional Rate	258.4	288.0	269.8
Statewide Rate	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 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
Regional Rate	69.3	67.1	72.5
Statewide Rate	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*
Regional Rate	24.4	19.9	19.6
Statewide Rate	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 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
Regional Rate	208.5	203.5	169.0
Statewide Rate	244.9	223.0	188.4

*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*
Regional Rate	69.6	75.0	66.3
Statewide Rate	82.3	78.6	73.1

*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: **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*
Regional Rate	18.5	12.9	13.7
Statewide Rate	30.2	23.4	16.6

*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 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
Regional Rate	59.2	48.0	34.7
Statewide Rate	98.5	77.3	54.7

*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)
Regional Rate	12.1	19.1	12.9
Statewide Rate	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
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
Regional Total	66	46	49
Statewide Total	<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
Regional Total	6	0	3
Statewide Total	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
Regional Total	8	6	5
Statewide Total	212	187	142

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
Regional Total	14	7	13
Statewide Total	478	442	348

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
Regional Total	41	36	28
Statewide Total	948	763	618

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
Regional Total	58	41	43
Statewide Total	<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
Regional Rate	587.5	569.6	513.6
Statewide Rate	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 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*
Regional Rate	18.8	19.7	12.6
Statewide Rate	16.8	17.3	16.9

*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).*

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
Regional Rate	148.1	126.3	121.5
Statewide Rate	<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*
Regional Rate	32.8	31.4	24.3
Statewide Rate	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
Regional Total	101,387	107,060	112,909	112,886	113,997
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

*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
Regional Average	76.2
Statewide Average	75.6
<i>Data Source: University of Wisconsin Population Health Institute. Source is same for state and county. PR = partially rural.</i>	

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
Regional Ratio	658	588	354	371	381
Statewide Ratio	361	316	209	205	215

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**

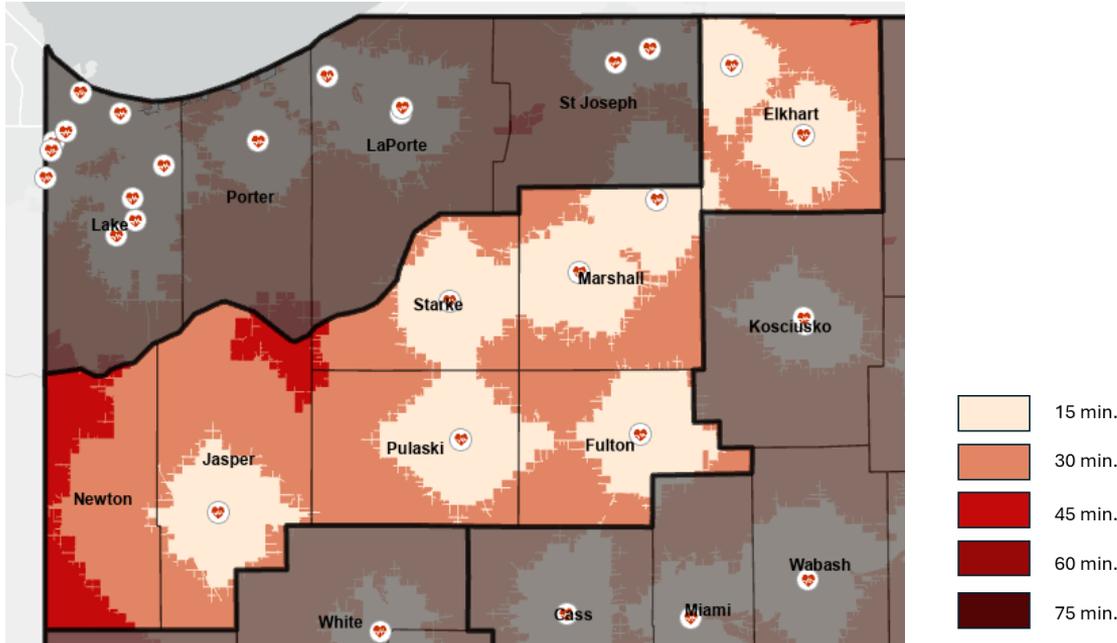
Metric: **Drive-time analysis of local emergency departments*** and
Drive-time analysis of local birthing hospitals*

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

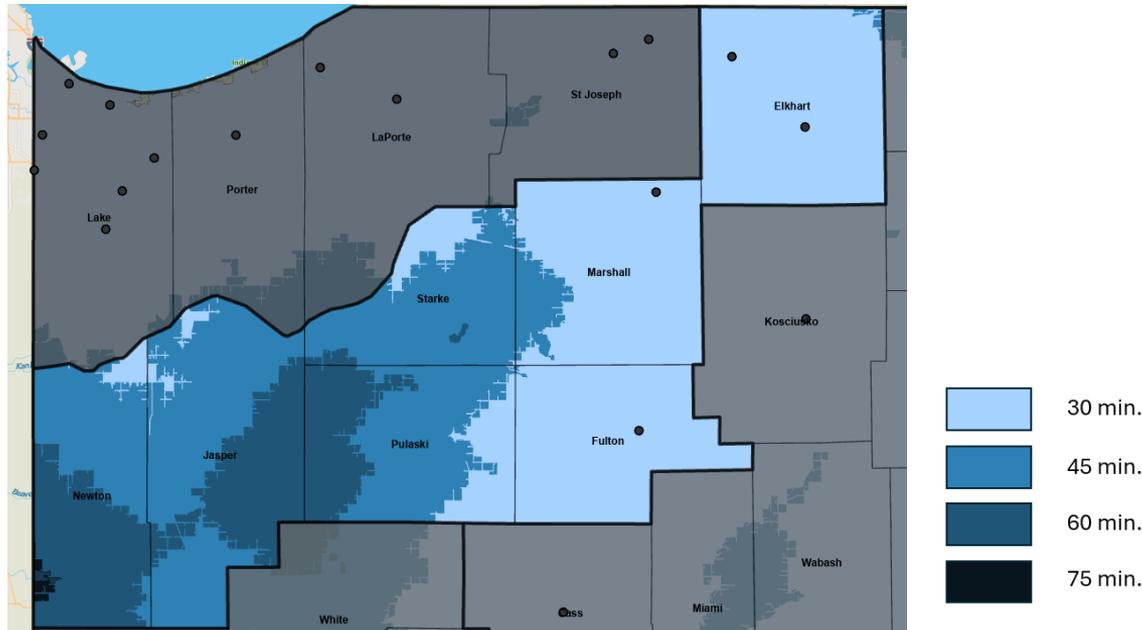
Drive-time to emergency departments



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.



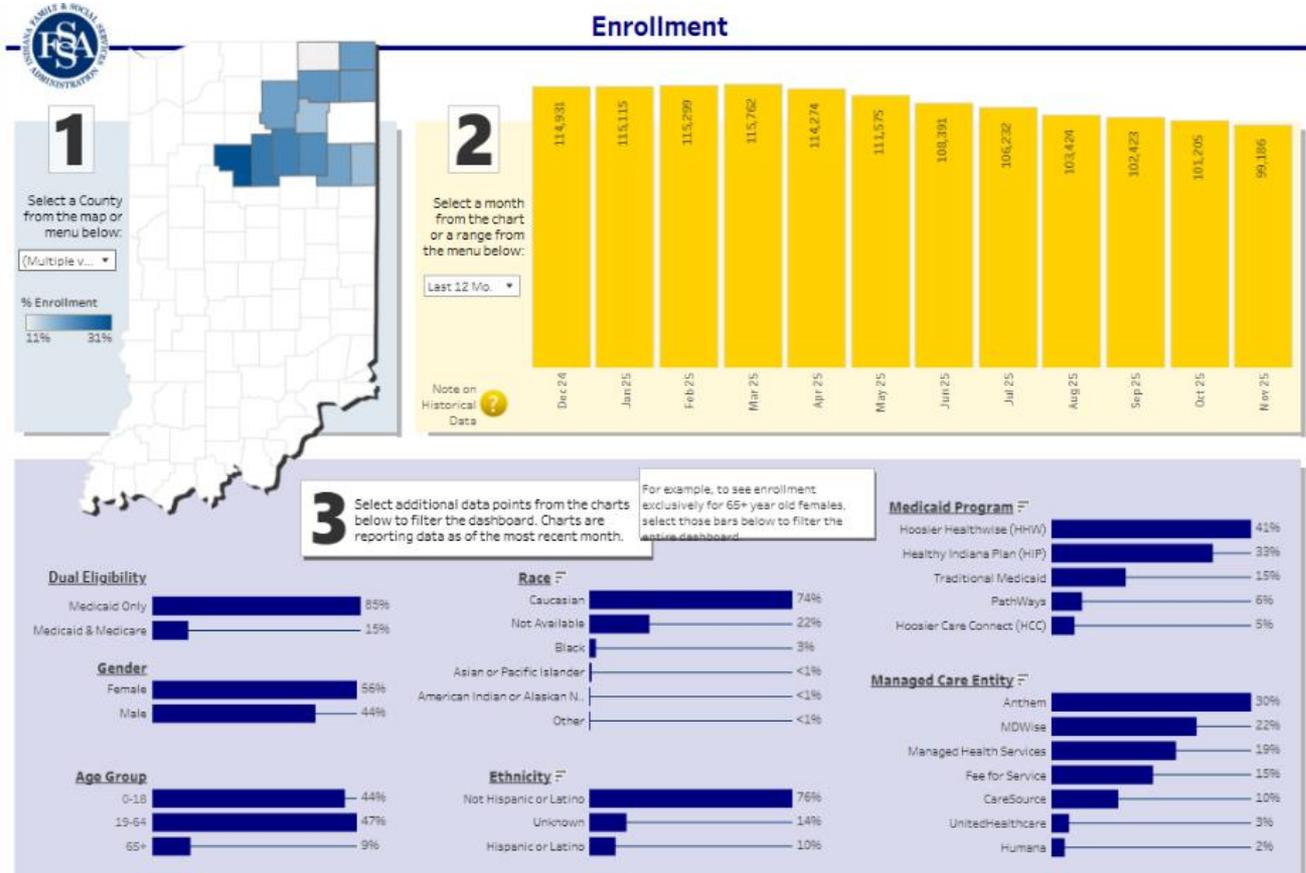
INDIANA
RURAL HEALTH TRANSFORMATION

REGION 2



Indiana
Department
of
Health

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
ADAMS	41.7%	39.5%	40.0%
CASS	40.3%	40.0%	40.3%
DEKALB	38.4%	40.3%	41.6%
HUNTINGTON	39.1%	37.9%	39.0%
KOSCIUSKO	36.9%	36.9%	39.5%
LAGRANGE	36.6%	35.7%	42.1%
MIAMI	39.2%	37.9%	42.1%
NOBLE	36.6%	40.3%	36.5%
STEU BEN	38.9%	40.0%	34.1%
WABASH	40.3%	39.5%	36.9%
WELLS	36.5%	37.7%	40.7%
WHITLEY (PR)	36.6%	36.7%	34.6%
Regional Average	38.3%	38.5%	39.0%
Statewide Rate	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: Rates are increasing for this region but not for the state. LaGrange and Miami saw increases in 2021-2022. Steuben saw a drop 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
ADAMS	0.3%
CASS	0.5%
DEKALB	0.3%
HUNTINGTON	0.5%
KOSCIUSKO	0.3%
LAGRANGE	0.3%
MIAMI	0.6%
NOBLE	0.2%
STEU BEN	0.4%
WABASH	0.4%
WELLS	0.3%
WHITLEY (PR)	0.4%
Regional Rate	0.4%
Statewide Rate	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 Adams, DeKalb, Kosciusko, LaGrange, Noble, and Wells compared to the region. Rates are high for Miami 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
ADAMS	4.0%
CASS	11.8%
DEKALB	5.0%
HUNTINGTON	5.9%
KOSCIUSKO	5.5%
LAGRANGE	6.1%
MIAMI	15.2%
NOBLE	5.7%
STEU BEN	7.9%
WABASH	11.2%
WELLS	4.1%
WHITLEY (PR)	5.3%
Regional Rate	7.4%
Statewide Rate	11.2%
<i>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.</i>	

Key takeaways: Rates are low for Adams, DeKalb, Kosciusko, Wells, and Whitley compared to the region. Rates are high for Cass, Miami, and Wabash compared to the region. Rates for this region are low for Indiana.



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
ADAMS	54.6*	48.2*	41.4*	72.2	59.5
CASS	50.7	51.3*	67.8	47.4*	28.3*
DEKALB	44.7*	49.5*	38.8*	46.5	37.8*
HUNTINGTON	42.3*	29.5*	25.8*	29.7*	59.7
KOSCIUSKO	58.9	40.1	35.7	46.1	71.3
LAGRANGE	35.9*	36.7*	48.5*	24.7*	33.2*
MIAMI	54.0*	59.7	80.3	40.3*	42.3*
NOBLE	57.8	47.5	39.4*	44.9	44.7*
STEBEN	43.9*	42.6*	33.9*	23.5*	21.2*
WABASH	88.7	88.4	54.0	65.0	78.4
WELLS	40.0*	24.0*	35.9*	56.7*	42.7*
WHITLEY (PR)	34.4*	57.3	37.5*	59.9	41.6*
Regional Rate	51.2	47.2	44.5	46.4	49.5
Statewide Rate	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 are high for Wabash compared to the region. Wabash saw a drop in 2021-2022.



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
ADAMS	209.2	339.3	273.1	216.9	193.9
CASS	388.9	351.5	441.3	480.1	596.8
DEKALB	347.4	374.2	346.7	375.2	426.0
HUNTINGTON	317.3	404.8	440.1	455.4	471.0
KOSCIUSKO	274.7	277.0	330.9	324.0	366.7
LAGRANGE	163.8	147.7	205.5	204.0	232.1
MIAMI	452.7	521.4	428.6	493.2	404.6
NOBLE	325.0	386.6	475.3	429.9	423.8
STEBEN	555.9	375.3	444.1	363.1	367.9
WABASH	487.3	446.8	455.5	805.6	700.0
WELLS	254.2	296.4	316.6	287.2	380.3
WHITLEY (PR)	342.2	391.7	317.7	320.4	359.6
Regional Rate	338.9	353.4	372.3	388.6	149.1
Statewide Rate	344.1	364.1	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. Rates are age-adjusted.

Key takeaways: Rates are low for LaGrange compared to the region. Rates are high for Cass, Miami, and Wabash compared to the region. Adams saw an increase in 2020-2021. Steuben saw a drop in 2020-2021. Wabash saw an increase in 2022-2023. Cass saw an increase 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
ADAMS	16.4%
CASS	34.4%
DEKALB	8.7%
HUNTINGTON	13.7%
KOSCIUSKO	21.5%
LAGRANGE	14.0%
MIAMI	54.1%
NOBLE	11.2%
STEU BEN	10.5%
WABASH	28.8%
WELLS	17.1%
WHITLEY (PR)	9.9%
Regional Rate	20.2%
Statewide Rate	47.5%
<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 DeKalb, Huntington, LaGrange, Noble, Steuben, and Whitley compared to the region. Rates are high for Cass, Miami, and Wabash 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
ADAMS	23.6*	42.8*	43.0*	60.0	69.9
CASS	29.1*	36.6*	42.2*	57.0	37.1*
DEKALB	23.7*	44.9*	33.9*	32.1*	40.5*
HUNTINGTON	36.5*	36.0*	35.5*	34.1*	40.9*
KOSCIUSKO	39.7	35.0	30.2	27.4	34.5
LAGRANGE	32.7*	29.5*	19.3*	32.0*	58.0*
MIAMI	37.0*	89.1	65.9	51.2*	87.5
NOBLE	46.7*	19.4*	43.7*	35.2*	25.2*
STEBEN	15.1*	11.8*	19.7*	23.1*	37.6*
WABASH	33.0*	35.8*	39.3*	56.7	39.8*
WELLS	12.4*	27.3*	21.0*	32.0*	43.5*
WHITLEY (PR)	59.9	18.6*	30.4*	47.0*	45.8*
Regional Rate	33.2	35.2	35.0	39.7	44.7
Statewide Rate	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: Rates are increasing for this region but not for the state. Miami saw a drop in 2021-2022.



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
ADAMS	376.0	409.4	482.0	412.7	439.8
CASS	541.4	593.0	779.8	880.9	831.0
DEKALB	436.7	411.1	491.7	567.5	616.3
HUNTINGTON	529.1	601.1	578.1	550.5	624.5
KOSCIUSKO	403.4	439.0	533.7	511.8	493.6
LAGRANGE	337.7	466.9	407.5	470.0	425.1
MIAMI	533.2	402.4	583.5	578.7	558.0
NOBLE	399.1	483.6	470.5	597.7	667.9
STEU BEN	550.8	452.4	565.3	620.6	711.7
WABASH	607.1	725.2	659.1	748.6	735.7
WELLS	395.2	482.5	524.7	585.6	551.4
WHITLEY (PR)	380.6	462.3	443.7	568.0	607.2
Regional Rate	454.6	487.8	543.6	587.2	597.4
Statewide Rate	528.5	590.1	634.8	704.1	654.9

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 high for Cass compared to the region. Rates are increasing for this region but not for the state. Cass and Miami saw increases in 2021-2022.

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
ADAMS	212.0	190.6	166.0	173.8	205.6
CASS	197.9	314.2	276.0	297.8	267.1
DEKALB	240.7	234.8	224.3	222.5	245.7
HUNTINGTON	267.5	231.4	265.1	231.5	202.8
KOSCIUSKO	257.5	239.2	239.1	214.5	235.0
LAGRANGE	209.9	206.1	241.7	223.0	194.3
MIAMI	269.5	297.4	245.6	286.2	318.6
NOBLE	301.1	259.7	287.8	271.2	247.4
STEBEN	256.2	196.6	264.3	305.8	241.4
WABASH	222.3	237.2	227.1	206.2	237.0
WELLS	269.6	217.3	226.8	248.4	163.9
WHITLEY (PR)	216.4	165.0	213.1	259.9	224.4
Regional Rate	245.3	235.0	239.1	241.6	233.6
Statewide Rate	257.9	257.2	248.7	244.8	239.9

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: Cass saw an increase in 2020-2021. Steuben saw an increase in 2021-2022. Steuben and Wells saw drops 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
ADAMS	745.5	778.3	846.5	800.6	781.7
CASS	846.9	1,181.1	1,169.0	1,209.2	1,107.4
DEKALB	705.3	711.6	710.2	821.8	825.2
HUNTINGTON	581.2	783.8	796.3	827.0	836.7
KOSCIUSKO	610.4	733.0	791.1	756.9	697.1
LAGRANGE	586.1	684.5	622.1	754.3	630.8
MIAMI	825.5	984.3	955.6	923.5	853.2
NOBLE	605.7	680.5	806.8	709.8	704.8
STEU BEN	964.8	820.5	962.6	1,152.6	903.3
WABASH	996.5	1,003.5	977.0	1,336.0	1,067.8
WELLS	495.0	697.3	854.9	719.7	643.1
WHITLEY (PR)	572.0	665.8	741.8	729.6	713.2
Regional Rate	706.3	805.9	849.1	883.6	806.8
Statewide Rate	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 high for Cass compared to the region. Cass, Huntington, and Wells saw increases in 2020-2021. Steuben and Wabash saw increases in 2022-2023. Steuben and Wabash saw drops in 2023-2024.

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
ADAMS	80.1	62.6	38.8*	55.5	44.2*
CASS	37.4*	48.2*	48.3*	51.4	41.0*
DEKALB	77.8	76.2	63.1	49.2	67.1
HUNTINGTON	68.3	76.9	62.1	79.9	53.4
KOSCIUSKO	50.7	76.7	75.1	62.4	53.5
LAGRANGE	63.4*	37.4*	65.1*	33.8*	40.2*
MIAMI	48.1*	74.7	54.3	73.6	42.5*
NOBLE	72.1	66.5	58.8	60.6	62.7
STEBEN	47.1*	60.9	28.6*	51.4*	32.8*
WABASH	77.4	66.5	84.0	59.0	72.4
WELLS	75.7	76.3	55.2*	65.0*	74.9
WHITLEY (PR)	40.8*	48.2*	70.9	54.5	69.8
Regional Rate	60.5	65.7	59.9	58.7	54.2
Statewide Rate	57.0	59.0	56.1	56.0	55.7

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). Rates are age-adjusted.

Key takeaways: Kosciusko saw an increase in 2020-2021. Huntington 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
ADAMS	128.0	130.8	102.8	113.7	131.5
CASS	143.3	146.7	173.5	178.7	182.2
DEKALB	131.1	124.9	139.2	218.1	180.9
HUNTINGTON	133.0	111.2	140.2	145.6	150.9
KOSCIUSKO	170.8	140.8	159.5	145.1	144.2
LAGRANGE	148.2	146.0	152.7	131.5	143.4
MIAMI	186.9	179.0	124.0	129.1	128.0
NOBLE	133.8	120.3	134.0	143.6	138.0
STEBEN	155.9	142.5	175.0	167.1	174.6
WABASH	170.2	155.3	201.7	193.2	172.0
WELLS	120.0	112.7	77.4	78.0	121.4
WHITLEY (PR)	129.3	111.5	167.3	124.8	122.0
Regional Rate	148.4	135.7	147.0	149.9	149.1
Statewide Rate	88.3	94.0	100.0	103.9	106.6

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 Wells compared to the region. Rates for this region are high for Indiana. Wabash and Whitley saw increases in 2021-2022. Miami saw a drop in 2021-2022. DeKalb saw an increase in 2022-2023. Whitley saw a drop in 2022-2023. Wells saw an increase in 2023-2024. DeKalb 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
ADAMS	18.8%
CASS	20.2%
DEKALB	18.5%
HUNTINGTON	25.9%
KOSCIUSKO	18.1%
LAGRANGE	21.2%
MIAMI	23.1%
NOBLE	18.2%
STEU BEN	21.2%
WABASH	23.1%
WELLS	18.8%
WHITLEY (PR)	18.2%
Regional Rate	20.1%
Statewide Rate	17.9%
<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
ADAMS	4.6%	3.3%	3.6%	1.5%*
CASS	11.9%	9.8%	5.6%	4.4%
DEKALB	16.4%	12.6%	10.0%	3.2%*
HUNTINGTON	12.9%	11.8%	6.6%	6.7%
KOSCIUSKO	10.7%	8.1%	6.7%	3.8%
LAGRANGE	3.6%	2.9%	1.4%*	1.8%*
MIAMI	21.0%	16.3%	9.0%	6.2%
NOBLE	12.5%	7.0%	6.2%	5.0%
STEU BEN	16.7%	9.2%	8.5%	7.4%
WABASH	16.0%	6.8%	7.2%	9.1%
WELLS	12.6%	11.0%	7.4%	5.0%*
WHITLEY (PR)	9.8%	9.0%	5.9%	2.4%*
Regional Rate	11.4%	8.2%	6.1%	4.2%
Statewide Rate	9.0%	6.6%	5.3%	3.8%
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 high for Miami and Steuben compared to the region. Rates are decreasing both for this region and for the state. Noble, Steuben, and Wabash saw drops in 2021-2022. Miami 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
ADAMS	9.6	9.5	9.0	8.6	6.9
CASS	8.8	7.0*	8.6	8.3	8.1
DEKALB	5.2*	4.8*	5.1*	5.1*	6.7*
HUNTINGTON	5.8*	4.9*	6.5*	5.6*	5.6*
KOSCIUSKO	6.2	6.3	7.5	7.7	8.1
LAGRANGE	6.4	7.0	6.7	6.2	6.7
MIAMI	6.9*	6.9*	4.9*	6.0*	6.1*
NOBLE	8.3	7.9	8.5	10.1	9.2
STEBEN	3.8*	5.0*	5.6*	6.4*	5.4*
WABASH	3.8*	3.2*	6.3*	7.6*	8.2*
WELLS	2.9*	3.6*	3.6*	4.2*	3.0*
WHITLEY (PR)	7.3*	5.9*	3.8*	4.3*	4.3*
Regional Rate	6.5	6.4	6.7	7.0	6.9
Statewide Rate	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 less than 20).*

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
ADAMS	6.6%	5.5%	6.7%	7.9%	9.0%
CASS	7.3%	10.9%	8.8%	7.2%	6.7%
DEKALB	8.2%	5.6%	7.8%	8.5%	8.2%
HUNTINGTON	8.5%	9.2%	8.6%	8.6%	9.7%
KOSCIUSKO	6.6%	7.6%	4.9%	7.6%	6.2%
LAGRANGE	4.5%	3.6%	2.5*	6.0%	3.5%
MIAMI	5.0%*	8.5%	8.6%	10.4%	7.3%
NOBLE	7.6%	6.7%	6.7%	6.5%	5.6%
STEBEN	4.7%*	8.8%	5.8%*	9.4%	9.0%
WABASH	6.9%	7.1%	7.1%	7.5%	7.3%
WELLS	7.5%	6.6%	7.0%	9.6%	7.6%
WHITLEY (PR)	6.4%	5.3%*	5.8%	3.5%*	6.9%
Regional Rate	6.7%	6.9%	6.3%	7.6%	6.9%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

*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: Cass saw an increase in 2020-2021. DeKalb saw a drop in 2020-2021. Kosciusko saw a drop in 2021-2022. Kosciusko and Wells saw increases in 2022-2023. LaGrange and Miami saw drops in 2023-2024.

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
ADAMS	11.6%	9.9%	8.1%	8.2%	9.9%
CASS	13.3%	11.9%	11.0%	9.9%	10.1%
DEKALB	8.9%	8.1%	8.4%	10.9%	9.3%
HUNTINGTON	12.0%	11.9%	12.0%	10.6%	8.9%
KOSCIUSKO	8.4%	10.1%	6.0%	9.8%	7.3%
LAGRANGE	6.5%	6.2%	3.8%	6.0%	4.9%
MIAMI	8.8%	11.9%	10.7%	11.4%	11.4%
NOBLE	9.6%	8.3%	6.7%	9.6%	6.4%
STEBEN	8.1%	10.2%	8.8%	14.2%	10.8%
WABASH	9.0%	12.8%	11.5%	13.8%	6.4%
WELLS	9.3%	7.9%	9.0%	11.9%	9.1%
WHITLEY (PR)	9.4%	9.5%	7.1%	7.0%	10.4%
Regional Rate	9.4%	9.6%	8.0%	9.8%	8.3%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

Data Source: Indiana Department of Health Maternal and Child Health. Source is same for state and county. PR = partially rural.

Key takeaways: Rates are low for LaGrange compared to the region. Wabash saw an increase in 2020-2021. Kosciusko saw a drop in 2021-2022. Kosciusko and Steuben saw increases in 2022-2023. Wabash saw a drop in 2023-2024.

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
ADAMS	60.4%	58.0%	60.9%	56.0%	54.8%
CASS	36.3%	29.4%	28.3%	29.8%	29.3%
DEKALB	39.5%	32.6%	31.5%	26.4%	29.8%
HUNTINGTON	28.8%	23.6%	21.9%	14.7%	17.5%
KOSCIUSKO	34.9%	40.0%	30.5%	25.8%	24.3%
LAGRANGE	55.4%	55.8%	48.1%	43.9%	35.7%
MIAMI	26.0%	25.9%	22.3%	19.1%	27.7%
NOBLE	41.8%	36.1%	33.3%	31.1%	26.8%
STEU BEN	31.8%	24.9%	23.5%	18.8%	26.9%
WABASH	27.7%	22.8%	18.9%	17.9%	26.1%
WELLS	31.0%	26.5%	25.8%	25.1%	25.9%
WHITLEY (PR)	27.3%	24.5%	27.2%	20.4%	19.7%
Regional Rate	39.2%	36.7%	33.8%	29.9%	30.0%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

Data Source: Indiana Department of Health Maternal and Child Health. Source is same for state and county. PR = partially rural.

Key takeaways: Rates are low for Huntington, Miami, Steuben, Wabash, and Whitley compared to the region. Rates are high for Adams and LaGrange compared to the region. Rates are decreasing for this region but not for the state. Kosciusko saw a drop in 2021-2022. Miami, Steuben, and Wabash saw increases in 2023-2024. LaGrange saw a drop 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
ADAMS	67.1*	33.0*	79.5*
CASS	111.6*	69.5*	68.0*
DEKALB	79.2*	63.9*	74.3*
HUNTINGTON	29.2*	57.0*	55.3*
KOSCIUSKO	46.6*	72.9*	57.8*
LAGRANGE	17.0*	98.2*	31.3*
MIAMI	45.3*	91.5*	44.3*
NOBLE	95.4*	93.8*	148.4*
STEU BEN	51.8*	25.2*	36.8*
WABASH	88.1*	58.7*	71.5*
WELLS	37.5*	36.4*	53.0*
WHITLEY (PR)	0.0*	72.3*	55.4*
Regional Rate	56.6	65.5	65.6
Statewide Rate	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
ADAMS	7,024.3	7,285.3	7,881.8
CASS	6,680.6	6,991.9	7,362.5
DEKALB	7,422.1	7,670.7	7,466.6
HUNTINGTON	9,145.3	8,689.5	9,266.9
KOSCIUSKO	5,536.3	5,765.4	6,263.2
LAGRANGE	5,602.7	6,679.8	6,326.3
MIAMI	6,755.3	6,193.7	6,498.3
NOBLE	7,096.9	6,940.2	7,578.2
STEBEN	8,391.6	7,848.6	7,853.7
WABASH	8,917.3	9,737.5	10,153.0
WELLS	5,843.8	6,102.0	6,025.8
WHITLEY (PR)	7,953.0	8,656.1	8,489.1
Regional Rate	7,097.6	7,265.7	7,513.4
Statewide Rate	6,032.1	6,410.5	6,666.6

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

Key takeaways: Rates are increasing both for this region and for the state. LaGrange and Wabash saw increases in 2022-2023.



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
ADAMS	972.3	873.6	1,064.7
CASS	836.8	973.0	966.2
DEKALB	1,545.2	1,393.5	1,102.0
HUNTINGTON	1,400.2	1,381.8	1,604.4
KOSCIUSKO	1,125.9	1,192.8	1,347.6
LAGRANGE	764.0	1,244.3	751.6
MIAMI	1,193.9	1,373.0	1,373.5
NOBLE	1,252.4	1,090.3	970.1
STEU BEN	958.3	858.0	736.3
WABASH	1,454.4	1,510.5	1,344.2
WELLS	1,367.3	1,293.3	1,484.4
WHITLEY (PR)	1,679.8	1,141.6	1,121.7
Regional Rate	1,208.1	1,189.6	1,162.3
Statewide Rate	1,103.9	1,132.9	1,187.9

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 Steuben compared to the region. Rates are decreasing for this region but increasing for the state. LaGrange saw an increase in 2022-2023. Whitley saw a drop in 2022-2023. LaGrange saw a drop 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
ADAMS	11.1*	11.0*	13.7*
CASS	16.0*	10.6*	8.0*
DEKALB	4.6*	20.4*	11.3*
HUNTINGTON	21.7*	10.9*	13.5*
KOSCIUSKO	22.3*	17.4*	18.6*
LAGRANGE	7.3*	9.8*	14.6*
MIAMI	8.4*	28.2*	11.2*
NOBLE	10.6*	4.2*	20.9*
STEU BEN	14.4*	14.3*	14.3*
WABASH	3.2*	13.0*	39.0*
WELLS	3.5*	7.0*	34.7*
WHITLEY (PR)	17.3*	34.5*	11.5*
Regional Rate	12.7	15.2	17.1
Statewide Rate	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 increasing for this region but decreasing 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
ADAMS	465.8	463.0	524.8
CASS	799.1	801.8	820.0
DEKALB	688.3	690.1	685.8
HUNTINGTON	662.4	655.2	739.0
KOSCIUSKO	605.0	625.9	669.4
LAGRANGE	506.5	452.2	442.6
MIAMI	482.1	621.4	657.1
NOBLE	760.0	729.5	711.1
STEU BEN	486.7	647.2	602.4
WABASH	645.5	616.2	724.6
WELLS	480.0	532.3	611.2
WHITLEY (PR)	632.5	630.4	699.4
Regional Rate	608.1	626.3	658.4
Statewide Rate	762.0	836.2	862.3

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 LaGrange compared to the region. Rates are increasing both for this region and for the state. Miami and Steuben saw increases in 2022-2023. Wabash 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
ADAMS	66.5	52.4*	54.7
CASS	50.6*	55.8	53.2
DEKALB	54.9	79.2	67.7
HUNTINGTON	57.0	87.0	73.1
KOSCIUSKO	65.6	70.9	64.5
LAGRANGE	71.0	44.0*	65.7
MIAMI	72.9	56.5	39.3*
NOBLE	80.2	59.0	81.6
STEU BEN	46.1*	71.6	60.2
WABASH	48.7*	81.5	87.7
WELLS	63.5*	73.5	79.9
WHITLEY (PR)	69.3	54.7*	83.1
Regional Rate	63.0	65.6	67.1
Statewide Rate	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 less than 20).*

Key takeaways: Rates for this region are high for Indiana. Rates are increasing for this region but not for the state. Huntington saw an increase 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
ADAMS	8.3*	5.5*	30.1*
CASS	29.3*	31.9*	24.0*
DEKALB	29.7*	20.4*	24.8*
HUNTINGTON	10.9*	21.8*	13.5*
KOSCIUSKO	11.1*	14.9*	19.8*
LAGRANGE	9.8*	17.1*	14.6*
MIAMI	5.6*	19.8*	16.8*
NOBLE	31.7*	23.2*	18.8*
STEU BEN	34.6*	17.2*	14.3*
WABASH	38.9*	35.9*	19.5*
WELLS	3.5*	10.5*	13.9*
WHITLEY (PR)	5.8*	28.8*	14.3*
Regional Rate	18.1	20.1	19.0
Statewide Rate	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
ADAMS	160.8	148.8	199.5
CASS	255.7	161.9	308.8
DEKALB	279.0	300.9	284.2
HUNTINGTON	236.2	274.6	265.3
KOSCIUSKO	232.6	220.2	224.4
LAGRANGE	203.1	254.2	216.4
MIAMI	179.4	240.1	221.8
NOBLE	276.6	240.4	244.7
STEU BEN	293.7	200.5	195.1
WABASH	295.2	205.4	243.7
WELLS	176.5	192.6	222.2
WHITLEY (PR)	228.1	259.1	246.5
Regional Rate	236.1	226.9	239.2
Statewide Rate	246.7	260.1	261.2

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 Adams compared to the region. Cass, Steuben, and Wabash saw drops in 2022-2023. Cass saw an increase in 2023-2024.



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
ADAMS	88.7	79.9	79.3
CASS	61.3	66.4	61.2
DEKALB	105.2	92.8	92.5
HUNTINGTON	76.0	103.3	92.0
KOSCIUSKO	76.7	70.9	85.5
LAGRANGE	80.8	90.4	90.0
MIAMI	75.7	96.0	81.4
NOBLE	76.0	75.9	102.5
STEU BEN	103.7	88.8	80.3
WABASH	100.6	107.6	81.2
WELLS	91.8	80.5	107.6
WHITLEY (PR)	104.0	74.8	86.0
Regional Rate	85.3	84.0	86.7
Statewide Rate	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.

Key takeaways: Rates are low for Cass compared to the region. Huntington saw an increase in 2022-2023. Whitley saw a drop in 2022-2023. Noble and Wells saw increases in 2023-2024. Wabash saw a drop in 2023-2024.

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
ADAMS	16.6*	16.5*	5.5*
CASS	45.3*	23.9*	5.3*
DEKALB	6.9*	11.3*	20.3*
HUNTINGTON	35.3*	10.9*	10.8*
KOSCIUSKO	28.5	26.1	12.4*
LAGRANGE	9.8*	4.9*	0.0*
MIAMI	47.7*	22.6*	30.9*
NOBLE	25.3*	19.0*	8.4*
STEBEN	17.3*	11.5*	14.3*
WABASH	35.7*	19.6*	9.7*
WELLS	17.6*	14.0*	13.9*
WHITLEY (PR)	23.1*	28.8*	2.9*
Regional Rate	25.6	18.0	11.2
Statewide Rate	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
ADAMS	110.9	151.6	136.7
CASS	250.4	241.6	292.9
DEKALB	169.2	95.0	153.4
HUNTINGTON	268.8	258.3	213.8
KOSCIUSKO	228.9	171.7	147.5
LAGRANGE	83.2	92.9	80.2
MIAMI	238.3	257.0	196.6
NOBLE	192.1	143.4	167.3
STEU BEN	152.6	143.2	137.7
WABASH	249.8	225.0	276.2
WELLS	211.8	154.1	149.3
WHITLEY (PR)	179.1	161.2	114.7
Regional Rate	195.7	171.5	168.4
Statewide Rate	244.9	223.0	188.4

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 Adams and LaGrange compared to the region. Rates are high for Cass, Huntington, and Wabash compared to the region. Rates are decreasing both for this region and for the state. DeKalb saw a drop in 2022-2023.



Trauma & Injury Prevention

Hospitalizations From Overdoses

Table 30. Overdoses, Hospitalization Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
ADAMS	49.9*	38.6*	43.7*
CASS	66.6	29.2*	50.6*
DEKALB	27.4*	29.4*	36.1*
HUNTINGTON	111.3	76.1	105.6
KOSCIUSKO	84.1	87.1	88.0
LAGRANGE	22.0*	34.2*	19.5*
MIAMI	67.3	73.4	81.4
NOBLE	54.9	71.7	69.0
STEU BEN	43.2*	43.0*	28.7*
WABASH	42.2*	71.7	55.2*
WELLS	81.2	45.5*	59.0*
WHITLEY (PR)	60.6	37.4*	60.2
Regional Rate	60.5	56.0	60.4
Statewide Rate	82.3	78.6	73.1
<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: Rates are high for Huntington and Kosciusko compared to the region. Huntington saw a drop in 2022-2023. Huntington saw an increase in 2023-2024.

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
ADAMS	11.1*	13.8*	5.5*
CASS	26.6*	10.6*	5.3*
DEKALB	2.3*	6.8*	11.3*
HUNTINGTON	35.3*	8.2*	10.8*
KOSCIUSKO	18.6*	8.7*	5.0*
LAGRANGE	7.3*	0.0*	0.0*
MIAMI	28.0*	19.8*	14.0*
NOBLE	10.6*	12.7*	2.1*
STEU BEN	5.8*	5.7*	14.3*
WABASH	26.0*	6.5*	6.5*
WELLS	17.6*	10.5*	10.4*
WHITLEY (PR)	23.1*	17.3*	0.0*
Regional Rate	17.2	9.8	6.7
Statewide Rate	30.2	23.4	16.6

*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 low for Indiana. Rates are decreasing both for this region and for the state.

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
ADAMS	(S)	35.8*	(S)
CASS	40.0*	47.8*	34.6*
DEKALB	43.4*	15.8*	18.0*
HUNTINGTON	54.3	40.8*	29.8*
KOSCIUSKO	76.7	53.5	29.8
LAGRANGE	(S)	(S)	(S)
MIAMI	75.7	48.0*	39.3*
NOBLE	21.1*	19.0*	23.0*
STEU BEN	23.0*	14.3*	17.2*
WABASH	42.2*	29.3*	39.0*
WELLS	77.6	24.5*	52.1*
WHITLEY (PR)	43.3*	40.3*	14.3*
Regional Rate	44.5	32.4	25.3
Statewide Rate	98.5	77.3	54.7

*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 high for Kosciusko 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

Hospitalizations From Opioid Overdoses

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

County	2022	2023	2024
ADAMS	13.9*	(S)	(S)
CASS	(S)	13.3*	(S)
DEKALB	(S)	(S)	15.8*
HUNTINGTON	32.6*	27.2*	32.5*
KOSCIUSKO	27.2	23.6*	18.6*
LAGRANGE	(S)	(S)	(S)
MIAMI	(S)	14.1*	(S)
NOBLE	12.7*	21.1*	18.8*
STEU BEN	(S)	(S)	(S)
WABASH	(S)	16.3*	19.5*
WELLS	(S)	(S)	24.3*
WHITLEY (PR)	28.9*	(S)	20.1*
Regional Rate	15.2	14.3	15.7
Statewide Rate	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
ADAMS	4	5	2
CASS	10	4	2
DEKALB	1	3	5
HUNTINGTON	13	3	4
KOSCIUSKO	15	7	4
LAGRANGE	3	0	0
MIAMI	10	7	5
NOBLE	5	6	1
STEU BEN	2	2	5
WABASH	8	2	2
WELLS	5	3	3
WHITLEY (PR)	8	6	0
Regional Total	84	48	33
Statewide Total	2,064	1,608	1,149

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. Cass, Huntington, Kosciusko, and Wabash saw drops in 2022-2023. Whitley saw a drop 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
ADAMS	0	0	1
CASS	0	0	0
DEKALB	0	0	0
HUNTINGTON	0	0	0
KOSCIUSKO	1	0	0
LAGRANGE	0	0	0
MIAMI	1	0	0
NOBLE	0	0	0
STEU BEN	0	0	0
WABASH	0	0	0
WELLS	0	0	0
WHITLEY (PR)	0	0	0
Regional Total	2	0	1
Statewide Total	66	24	25

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

Key takeaways: Kosciusko and Miami saw drops in 2022-2023. Adams saw an increase in 2023-2024.



Trauma & Injury Prevention

Death Counts From Overdoses, Benzodiazepine

Table 36. Benzodiazepine Overdoses, Death Counts by County, 2022-2024			
County	2022	2023	2024
ADAMS	0	1	0
CASS	0	0	0
DEKALB	0	0	1
HUNTINGTON	0	0	0
KOSCIUSKO	2	0	0
LAGRANGE	0	0	0
MIAMI	0	0	1
NOBLE	0	0	0
STEU BEN	0	0	1
WABASH	0	0	0
WELLS	1	0	0
WHITLEY (PR)	0	0	0
Regional Total	3	1	3
Statewide Total	212	187	142

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

Key takeaways: Adams saw an increase in 2022-2023. Kosciusko and Wells saw drops in 2022-2023. DeKalb, Miami, and Steuben saw increases in 2023-2024. Adams saw a drop 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
ADAMS	0	1	1
CASS	0	0	1
DEKALB	1	1	1
HUNTINGTON	0	0	0
KOSCIUSKO	3	2	0
LAGRANGE	1	0	0
MIAMI	2	0	0
NOBLE	0	0	1
STEU BEN	0	0	0
WABASH	0	0	0
WELLS	0	0	0
WHITLEY (PR)	1	1	0
Regional Total	8	5	4
Statewide Total	478	442	348

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. Adams saw an increase in 2022-2023. Kosciusko, LaGrange, and Miami saw drops in 2022-2023. Cass and Noble saw increases in 2023-2024. Kosciusko and Whitley 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
ADAMS	2	0	1
CASS	6	6	0
DEKALB	0	0	2
HUNTINGTON	7	0	1
KOSCIUSKO	8	3	1
LAGRANGE	3	1	0
MIAMI	8	5	4
NOBLE	4	4	1
STEU BEN	2	2	1
WABASH	7	3	2
WELLS	1	2	2
WHITLEY (PR)	3	1	0
Regional Total	51	27	15
Statewide Total	948	763	618

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. Huntington, Kosciusko, and Wabash saw drops in 2022-2023. Cass 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
ADAMS	4	4	2
CASS	9	3	1
DEKALB	1	3	4
HUNTINGTON	11	2	3
KOSCIUSKO	12	6	3
LAGRANGE	3	0	0
MIAMI	8	6	4
NOBLE	5	5	0
STEU BEN	2	2	5
WABASH	8	2	2
WELLS	5	3	3
WHITLEY (PR)	7	5	0
Regional Total	75	41	27
Statewide Total	1,911	1,504	1,045

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. Cass, Huntington, Kosciusko, and Wabash saw drops in 2022-2023.

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
ADAMS	455.8	485.4	461.2
CASS	705.2	712.6	656.2
DEKALB	591.8	622.5	572.5
HUNTINGTON	778.1	844.5	800.3
KOSCIUSKO	623.6	620.9	564.5
LAGRANGE	304.8	288.1	262.3
MIAMI	911.4	863.9	804.2
NOBLE	640.0	640.0	579.2
STEU BEN	543.8	571.9	539.7
WABASH	969.3	1,010.8	983.5
WELLS	788.9	756.1	659.3
WHITLEY (PR)	699.1	727.4	651.4
Regional Rate	653.4	663.0	612.1
Statewide Rate	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 Adams and LaGrange compared to the region. Rates are high for Miami and Wabash compared to the region. Wells 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
ADAMS	2.8*	5.5*	10.9*
CASS	26.6*	15.9*	24.0*
DEKALB	20.6*	18.1*	27.1*
HUNTINGTON	16.3*	19.0*	16.2*
KOSCIUSKO	7.4*	13.7*	19.8*
LAGRANGE	4.9*	9.8*	9.7*
MIAMI	25.2*	11.3*	19.7*
NOBLE	29.6*	12.7*	20.9*
STEU BEN	23.0*	25.8*	5.7*
WABASH	29.2*	16.3*	16.2*
WELLS	3.5*	17.5*	13.9*
WHITLEY (PR)	2.9*	23.0*	14.3*
Regional Rate	15.6	15.4	17.1
Statewide Rate	16.8	17.3	16.9

*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).*

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
ADAMS	85.9	66.1	54.7
CASS	189.1	169.9	244.9
DEKALB	157.8	140.3	126.3
HUNTINGTON	162.9	155.0	165.1
KOSCIUSKO	153.4	126.9	111.6
LAGRANGE	66.1	78.2	77.8
MIAMI	151.4	203.4	190.9
NOBLE	143.6	141.3	123.4
STEU BEN	138.2	111.7	117.6
WABASH	152.5	172.8	162.5
WELLS	84.7	91.1	107.6
WHITLEY (PR)	101.1	100.7	88.9
Regional Rate	135.0	129.7	128.8
Statewide Rate	111.9	108.7	105.3

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 Adams, LaGrange, Wells, and Whitley compared to the region. Rates are high for Cass and Miami compared to the region. Rates are decreasing both for this region and for the state. Miami saw an increase in 2022-2023. Cass saw an increase in 2023-2024.

Trauma & Injury Prevention

Hospitalizations From Self-Harm

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

County	2022	2023	2024
ADAMS	19.4*	(S)	21.9*
CASS	16.0*	18.6*	31.9*
DEKALB	38.9*	31.7*	11.3*
HUNTINGTON	73.3	40.8*	46.0*
KOSCIUSKO	37.1	39.8	34.7
LAGRANGE	17.1*	17.1*	(S)
MIAMI	28.0*	36.7*	59.0
NOBLE	29.6*	31.6*	31.4*
STEU BEN	25.9*	22.9*	(S)
WABASH	29.2*	39.1*	29.2*
WELLS	45.9*	24.5*	38.2*
WHITLEY (PR)	34.7*	14.4*	20.1*
Regional Rate	33.0	28.1	28.0
Statewide Rate	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
ADAMS	8,072	8,460	9,997	10,361	10,640
CASS	13,592	15,725	17,376	17,942	18,243
DEKALB	13,304	16,021	16,631	16,633	16,119
HUNTINGTON	12,723	15,485	16,039	15,586	15,928
KOSCIUSKO	12,703	13,614	13,942	13,776	29,241
LAGRANGE	8,066	9,722	10,586	10,604	10,248
MIAMI	8,962	9,817	9,930	10,316	9,780
NOBLE	15,010	17,984	18,292	17,335	17,325
STEU BEN	12,982	15,232	16,263	15,926	16,090
WABASH	11,600	13,963	14,048	14,938	14,643
WELLS	7,431	9,255	9,602	9,009	9,149
WHITLEY (PR)	21,837	26,126	27,943	27,476	12,925
Regional Total	146,282	171,404	180,649	179,902	180,331
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

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

Key takeaways: Whitley saw an increase in 2020-2021. Kosciusko saw an increase in 2023-2024. Whitley saw a drop in 2023-2024.

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
ADAMS	76.6
CASS	75.6
DEKALB	75.9
HUNTINGTON	75.4
KOSCIUSKO	76.8
LAGRANGE	78.6
MIAMI	74.5
NOBLE	75.8
STEU BEN	78.1
WABASH	74.3
WELLS	76.7
WHITLEY (PR)	77.9
Regional Average	76.4
Statewide Average	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 46. Provider Ratios by County, 2015-2023

County	2015	2017	2019	2021	2023
ADAMS	2,193	3,238	813	586	621
CASS	567	512	436	420	521
DEKALB	847	802	636	649	674
HUNTINGTON	825	828	836	781	634
KOSCIUSKO	888	769	590	566	680
LAGRANGE	1,322	828	662	661	774
MIAMI	686	612	591	545	711
NOBLE	1,165	1,076	921	1,007	1,036
STEBEN	968	820	595	527	537
WABASH	993	700	633	563	758
WELLS	2,059	1,579	510	688	645
WHITLEY (PR)	848	756	632	821	850
Regional Ratio	939	822	630	618	685
Statewide Ratio	361	316	209	205	215

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 Cass compared to the region. Values are high for Adams, Noble, and Wells compared to the region. Values for this region are high for Indiana. Adams saw an increase in 2015-2017. LaGrange and Wells saw drops in 2015-2017. Adams and Wells saw drops in 2017-2019.

Geospatial Analysis

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

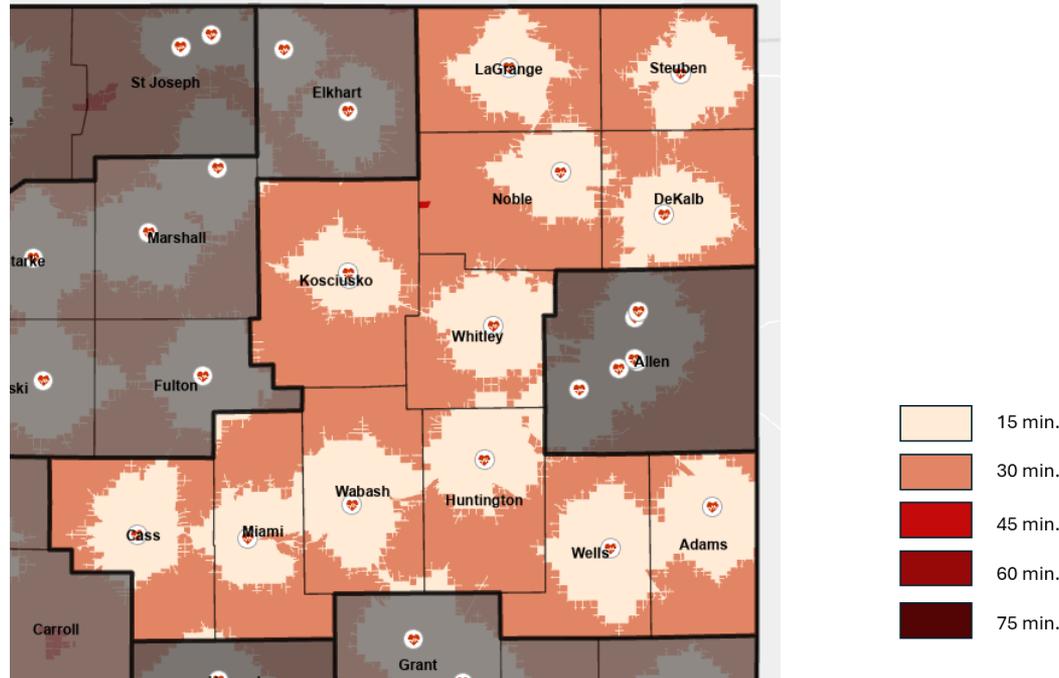
Metric: **Drive-time analysis of local emergency departments*** and **Drive-time analysis of local birthing hospitals***

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

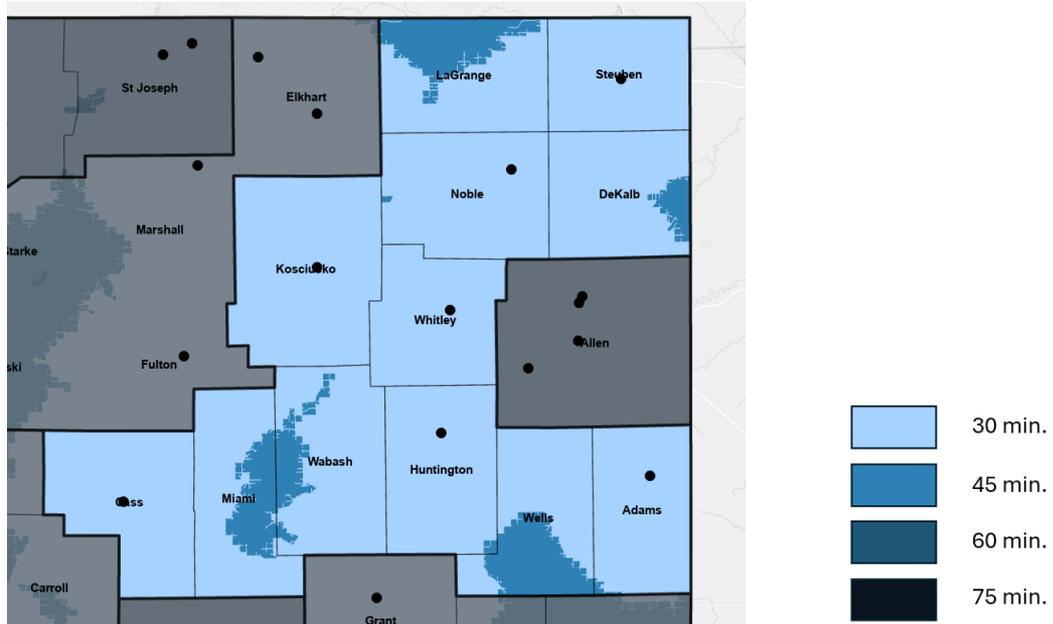
Drive-time to emergency departments



Key takeaways: Most residents in this region can access emergency care within a 15 or 30 minute drive.

Geospatial Analysis

Drive-time to birthing hospitals



Key takeaways: Most residents in this region can access an Indiana birthing hospital within a 30 minute drive. Portions of Wells, DeKalb, LaGrange, Wabash and Miami counties exhibit drive-times of 45 minutes to receive this care.



INDIANA
RURAL HEALTH TRANSFORMATION

REGION 3

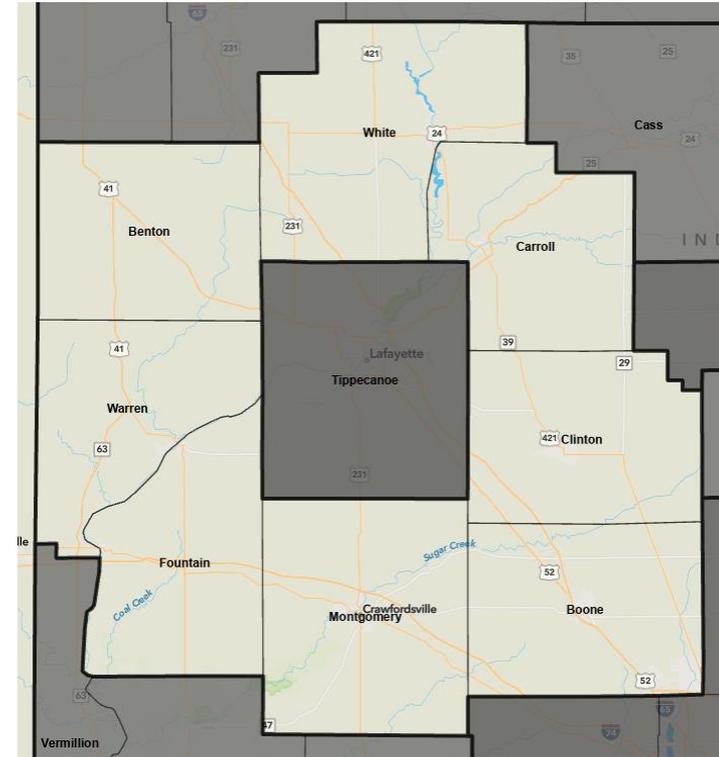


Indiana
Department
of
Health

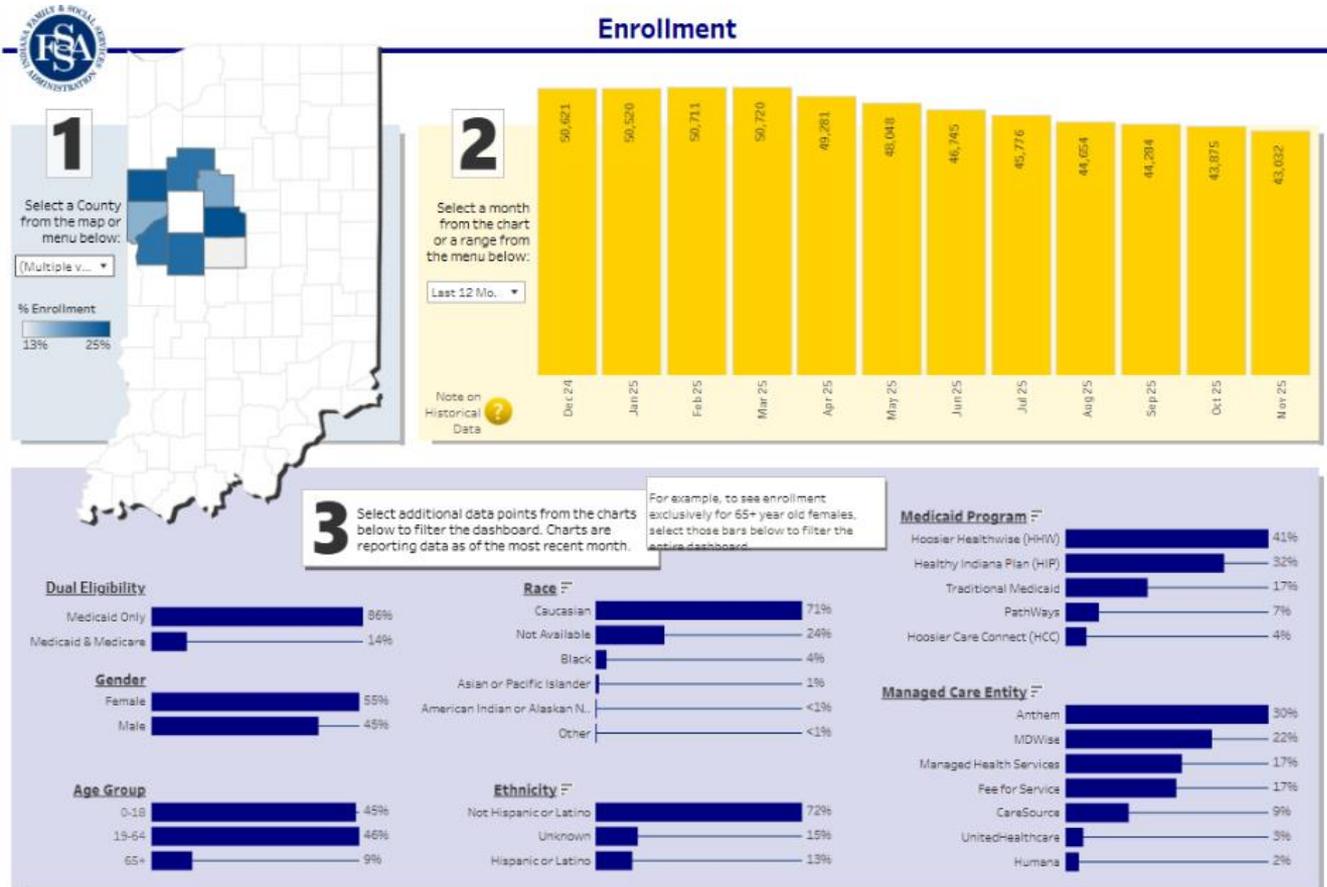
Region 3

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%
Regional Average	38.5%	36.8%	38.5%
Statewide Rate	37.0%	36.0%	38.0%
<i>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.</i>			

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%
Regional Rate	0.6%
Statewide Rate	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 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%
Regional Rate	13.0%
Statewide Rate	11.2%

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*
Regional Rate	20.5	28.3	30.4	30.0	17.2
Statewide Rate	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
Regional Rate	352.9	374.2	336.5	360.7	127.1
Statewide Rate	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%
Regional Rate	57.9%
Statewide Rate	47.5%
<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
Regional Rate	38.8	49.1	41.9	63.7	49.9
Statewide Rate	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
Regional Rate	567.0	640.9	705.5	840.2	637.5
Statewide Rate	528.5	590.1	634.8	704.1	654.9

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 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
Regional Rate	252.9	273.4	258.5	258.3	252.6
Statewide Rate	257.9	257.2	248.7	244.8	239.9

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
Regional Rate	837.4	923.4	862.3	921.5	893.4
Statewide Rate	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 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*
Regional Rate	42.5	50.6	46.0	53.5	48.7
Statewide Rate	57.0	59.0	56.1	56.0	55.7

*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). 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
Regional Rate	120.4	119.8	121.7	124.3	127.1
Statewide Rate	88.3	94.0	100.0	103.9	106.6

*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%
Regional Rate	15.8%
Statewide Rate	17.9%
<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%*
Regional Rate	8.7%	8.1%	6.1%	4.4%
Statewide Rate	9.0%	6.6%	5.3%	3.8%
<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)
Regional Rate	6.0	5.7	6.3	5.3	4.7
Statewide Rate	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%
Regional Rate	7.4%	7.3%	8.6%	8.5%	7.5%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

*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%
Regional Rate	10.4%	10.6%	10.0%	10.6%	10.1%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

*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%
Regional Rate	24.7%	22.7%	23.2%	20.2%	19.8%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

*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*
Regional Rate	64.7	77.5	79.9
Statewide Rate	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
Regional Rate	7,130.4	7,290.2	7,902.3
Statewide Rate	6,032.1	6,410.5	6,666.6

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
Regional Rate	1,144.1	1,046.0	1,270.8
Statewide Rate	1,103.9	1,132.9	1,187.9

*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).*

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*
Regional Rate	21.0	15.4	14.3
Statewide Rate	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
Regional Rate	671.3	741.5	747.8
Statewide Rate	762.0	836.2	862.3

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*
Regional Rate	40.1	52.9	47.4
Statewide Rate	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*
Regional Rate	17.8	25.6	17.4
Statewide Rate	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
Regional Rate	290.8	340.8	291.7
Statewide Rate	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
Regional Rate	62.0	61.7	64.3
Statewide Rate	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*
Regional Rate	24.1	23.4	15.2
Statewide Rate	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
Regional Rate	211.4	199.7	144.3
Statewide Rate	244.9	223.0	188.4

*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*
Regional Rate	42.8	62.6	41.3
Statewide Rate	82.3	78.6	73.1

*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: 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*
Regional Rate	12.0	14.1	7.4*
Statewide Rate	30.2	23.4	16.6

*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: 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*
Regional Rate	71.8	50.3	21.7
Statewide Rate	98.5	77.3	54.7

*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)
Regional Rate	10.3	13.2	8.3*
Statewide Rate	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
Regional Total	27	32	17
Statewide Total	2,064	1,608	1,149

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
Regional Total	0	0	0
Statewide Total	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
Regional Total	5	6	3
Statewide Total	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
Regional Total	2	2	0
Statewide Total	478	442	348

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
Regional Total	16	19	16
Statewide Total	948	763	678

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
Regional Total	23	28	15
Statewide Total	<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
Regional Rate	644.9	646.9	595.2
Statewide Rate	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*
Regional Rate	16.1	19.8	11.3
Statewide Rate	16.8	17.3	16.9

*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).*

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*
Regional Rate	98.1	112.0	94.3
Statewide Rate	<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)
Regional Rate	24.1	27.3	17.8
Statewide Rate	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
Regional Total	56,346	67,717	75,124	81,834	86,509
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

*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
Regional Average	76.8
Statewide Average	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
Regional Ratio	457	406	311	261	260
Statewide Ratio	361	316	209	205	215

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**

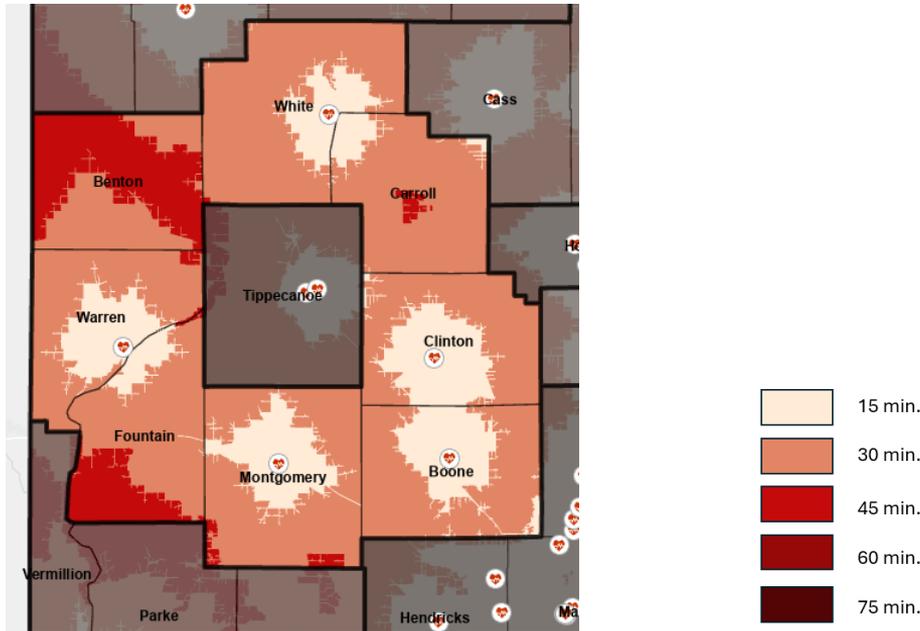
Metric: **Drive-time analysis of local emergency departments*** and
Drive-time analysis of local birthing hospitals*

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

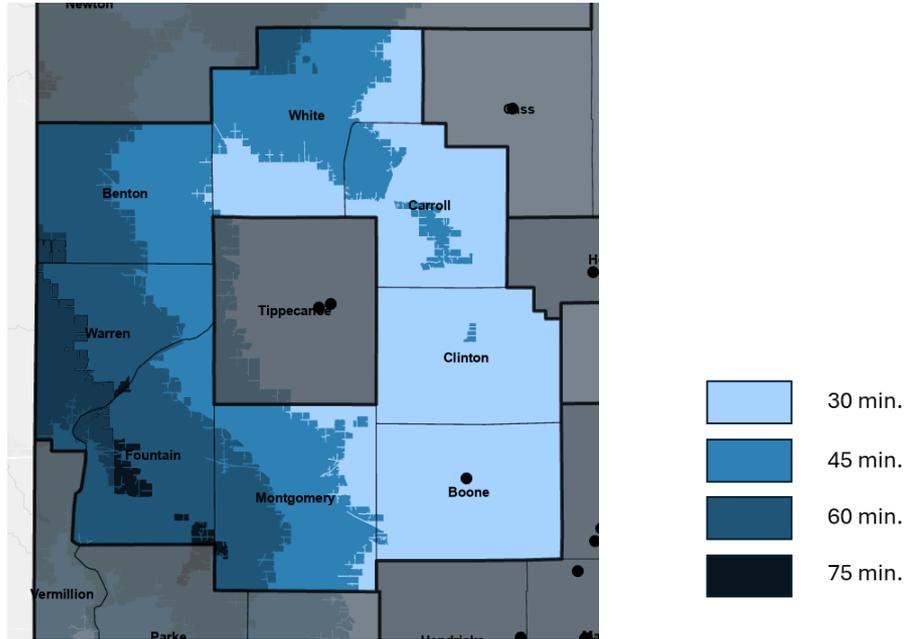
Drive-time to emergency departments



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.



INDIANA
RURAL HEALTH TRANSFORMATION

REGION 4

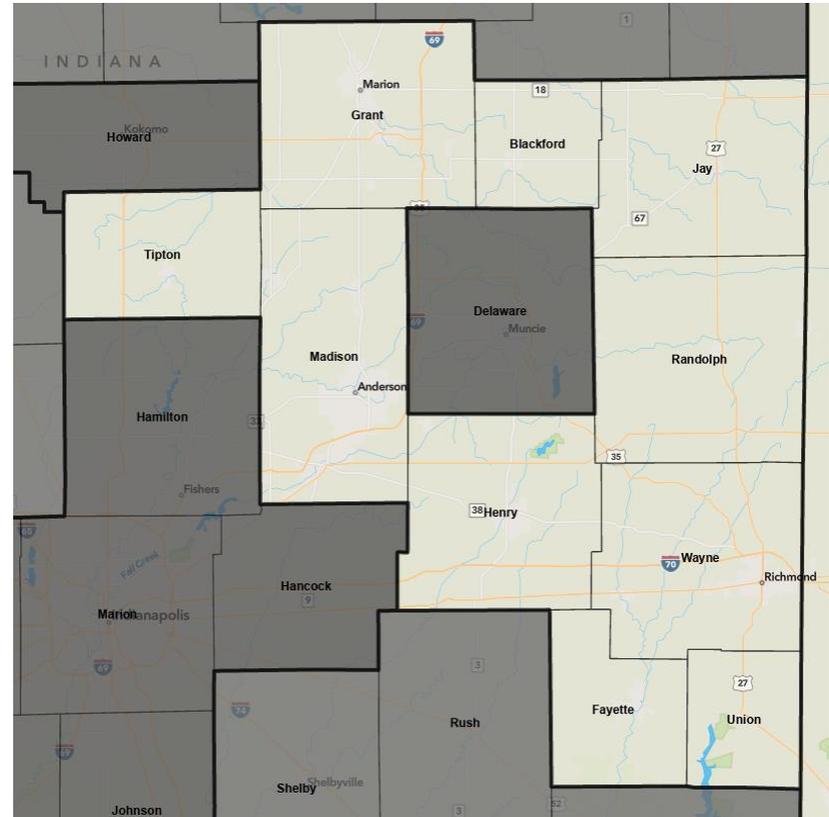


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of
Health

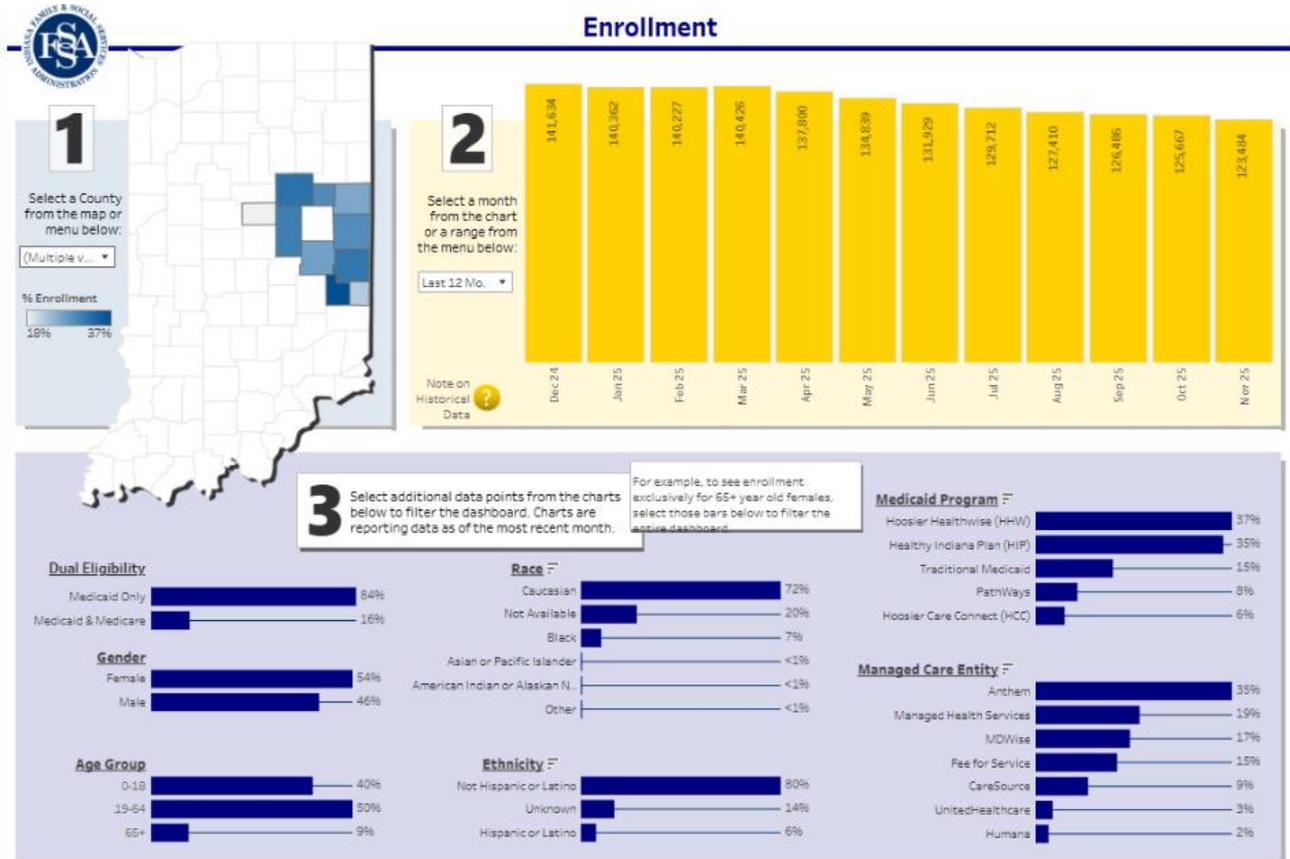
Region 4

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

- Grant
- Blackford
- Jay
- Tipton*
- Madison*
- Randolph
- Henry
- Wayne
- Fayette
- Union



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
BLACKFORD	42.7%	40.9%	37.5%
FAYETTE	39.1%	40.8%	41.1%
GRANT	39.2%	39.7%	43.0%
HENRY	42.0%	38.1%	44.4%
JAY	38.9%	38.2%	42.1%
MADISON (PR)	41.4%	43.4%	39.6%
RANDOLPH	40.1%	38.0%	38.9%
TIPTON (PR)	37.6%	38.5%	36.1%
UNION	36.3%	38.1%	40.3%
WAYNE	38.2%	37.8%	39.4%
Regional Average	40.1%	40.2%	40.7%
Statewide Rate	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: Rates are increasing for this region but not for the state. Henry 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
BLACKFORD	0.8%
FAYETTE	0.4%
GRANT	0.7%
HENRY	0.6%
JAY	0.7%
MADISON (PR)	0.7%
RANDOLPH	0.5%
TIPTON (PR)	0.6%
UNION	0.5%
WAYNE	0.4%
Regional Rate	0.6%
Statewide Rate	0.5%
<small>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.</small>	

Key takeaways: Rates are low for Fayette and Wayne compared to the region. Rates are high for Blackford 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
BLACKFORD	19.1%
FAYETTE	10.1%
GRANT	19.3%
HENRY	15.3%
JAY	18.4%
MADISON (PR)	15.4%
RANDOLPH	13.3%
TIPTON (PR)	17.4%
UNION	6.3%
WAYNE	8.2%
Regional Rate	14.5%
Statewide Rate	11.2%

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 Fayette, Union, and Wayne 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
BLACKFORD	41.8*	40.6*	46.4*	45.8*	19.5*
FAYETTE	37.2*	43.6*	80.6	53.3*	66.4*
GRANT	122.8	118.3	141.2	124.6	91.2
HENRY	61.1	77.3	62.0	36.2*	30.4*
JAY	56.7*	29.4*	54.9*	33.4*	15.8*
MADISON (PR)	44.2	50.2	57.1	39.8	45.5
RANDOLPH	40.5*	44.1*	45.5*	23.0*	38.2*
TIPTON (PR)	17.2*	65.5*	31.4*	20.5*	43.4*
UNION	0.0*	25.6*	0.0*	0.0*	19.8*
WAYNE	52.6	68.0	46.3	42.8	40.3
Regional Rate	58.1	65.2	67.6	50.9	48.0
Statewide Rate	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 are high for Grant compared to the region. Rates for this region are high for Indiana. Grant saw a drop in 2023-2024.



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
BLACKFORD	1,185.4	703.7	628.4	741.5	558.2
FAYETTE	405.2	333.8	560.6	751.2	538.4
GRANT	428.8	631.7	600.0	744.6	655.7
HENRY	392.0	336.6	450.2	411.0	358.6
JAY	673.2	980.9	628.1	554.3	789.7
MADISON (PR)	409.7	433.4	445.0	494.0	508.1
RANDOLPH	447.6	357.7	292.2	400.5	408.8
TIPTON (PR)	314.8	387.7	328.9	403.9	338.4
UNION	140.4*	(S)	141.9*	178.4*	135.7*
WAYNE	291.6	298.2	411.0	455.5	386.0
Regional Rate	418.3	444.9	464.1	522.1	126.4
Statewide Rate	344.1	364.1	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 between 5 and 19). (S) = Suppressed (count is less than 5). Rates are age-adjusted.*

Key takeaways: Rates are high for Blackford, Grant, and Jay compared to the region. Jay saw an increase in 2020-2021. Blackford saw a drop in 2020-2021. Jay saw a drop in 2021-2022. Jay saw an increase 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
BLACKFORD	83.8%
FAYETTE	20.3%
GRANT	67.1%
HENRY	44.9%
JAY	80.9%
MADISON (PR)	68.5%
RANDOLPH	48.1%
TIPTON (PR)	78.8%
UNION	14.4%
WAYNE	15.6%
Regional Rate	53.1%
Statewide Rate	47.5%
<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 Fayette, Union, and Wayne compared to the region. Rates are high for Blackford, Jay, and Tipton 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
BLACKFORD	14.8*	7.1*	25.9*	33.3*	33.8*
FAYETTE	97.8	47.2*	51.8*	41.2*	54.5*
GRANT	36.6	38.9	24.7*	47.6	29.1
HENRY	45.0	49.4	87.5	92.3	81.0
JAY	34.4*	15.9*	37.8*	25.5*	20.8*
MADISON (PR)	47.5	43.8	48.6	64.6	55.1
RANDOLPH	33.6*	40.0*	46.3*	61.8*	48.8*
TIPTON (PR)	37.0*	10.3*	51.5*	10.6*	8.9*
UNION	25.6*	37.0*	0.0*	0.0*	0.0*
WAYNE	51.9	51.3	38.3	59.0	42.6
Regional Rate	46.0	41.1	46.2	56.5	46.6
Statewide Rate	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: Rates are high for Henry compared to the region. Henry saw an increase in 2021-2022.



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
BLACKFORD	1,063.9	1,190.8	1,305.0	1,088.6	812.1
FAYETTE	449.6	395.7	499.4	652.5	684.0
GRANT	682.3	781.4	855.5	968.6	870.2
HENRY	433.8	475.2	552.5	599.2	455.4
JAY	958.1	1,171.2	1,081.1	1,290.9	966.0
MADISON (PR)	546.0	576.6	613.8	723.0	689.7
RANDOLPH	580.3	646.0	630.5	720.9	689.6
TIPTON (PR)	689.9	816.1	923.7	1,092.5	733.9
UNION	107.7*	132.4*	168.7*	240.8*	162.9*
WAYNE	316.9	334.5	526.3	630.6	543.2
Regional Rate	546.5	599.6	671.2	771.0	675.3
Statewide Rate	528.5	590.1	634.8	704.1	654.9

*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 Wayne compared to the region. Rates are high for Blackford and Jay compared to the region. Blackford, Jay, and Tipton 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
BLACKFORD	337.1	219.1	314.7	360.1	326.2
FAYETTE	356.3	250.3	301.6	235.6	333.4
GRANT	262.7	265.9	223.7	281.5	243.4
HENRY	247.8	227.8	312.4	274.7	337.5
JAY	213.8	300.6	318.3	260.9	210.7
MADISON (PR)	276.1	257.9	240.1	267.7	267.1
RANDOLPH	215.7	295.3	214.8	262.4	258.7
TIPTON (PR)	275.6	195.0	194.5	160.4	136.5
UNION	319.8	270.4*	259.2*	315.5	363.2
WAYNE	340.4	328.3	309.5	297.9	288.9
Regional Rate	281.6	266.2	263.5	272.0	275.2
Statewide Rate	257.9	257.2	248.7	244.8	239.9

*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: Rates are low for Tipton compared to the region. Blackford and Fayette saw drops in 2020-2021. Blackford saw an increase in 2021-2022. Fayette 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
BLACKFORD	1,164.3	1,392.1	1,166.0	913.3	927.5
FAYETTE	548.2	681.0	880.4	983.3	921.2
GRANT	771.6	1,116.6	992.8	1,092.8	1,001.5
HENRY	908.6	976.2	1,002.2	936.1	920.9
JAY	1,027.8	1,182.1	1,035.3	1,199.2	1,404.0
MADISON (PR)	772.3	866.9	862.5	951.5	873.2
RANDOLPH	688.8	631.8	793.0	972.4	953.5
TIPTON (PR)	1,039.1	945.5	864.2	1,081.7	903.4
UNION	287.9*	206.7*	320.7	431.3	456.8
WAYNE	490.4	565.2	657.5	799.8	691.0
Regional Rate	750.6	869.3	872.1	957.2	897.3
Statewide Rate	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. * = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: Rates are low for Wayne compared to the region. Rates are high for Jay compared to the region. Grant saw an increase in 2020-2021. Blackford saw a drop in 2022-2023.

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
BLACKFORD	78.8*	93.9*	59.7*	42.0*	53.2*
FAYETTE	87.7	102.7	75.0*	50.0*	61.6*
GRANT	84.2	88.4	66.7	72.3	52.9
HENRY	80.7	70.4	63.9	105.4	95.1
JAY	32.7*	67.6*	50.3*	58.8*	102.8
MADISON (PR)	61.4	61.1	74.9	90.7	70.8
RANDOLPH	83.1	97.6	53.3*	71.5*	77.9
TIPTON (PR)	50.1*	58.2*	36.2*	24.6*	53.8*
UNION	80.7*	15.6*	42.4*	36.8*	47.3*
WAYNE	49.4	63.6	54.7	52.7	39.4
Regional Rate	67.5	72.5	64.1	72.2	65.3
Statewide Rate	57.0	59.0	56.1	56.0	55.7

*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). Rates are age-adjusted.*

Key takeaways: Henry saw an increase in 2022-2023.



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
BLACKFORD	99.8*	139.9*	93.7*	169.9	61.4*
FAYETTE	123.2	102.0	136.3	133.1	132.7
GRANT	154.6	177.8	167.1	175.1	179.9
HENRY	155.4	147.1	84.4	122.0	108.3
JAY	94.4*	128.5	119.3	149.6	141.5
MADISON (PR)	92.5	89.4	108.2	109.8	122.8
RANDOLPH	72.9	109.3	78.1*	84.1	106.8
TIPTON (PR)	110.2*	127.2	110.9	126.1	169.3
UNION	(S)	(S)	(S)	54.0*	(S)
WAYNE	84.6	56.5	88.6	118.9	105.0
Regional Rate	109.1	111.1	109.6	126.0	126.4
Statewide Rate	88.3	94.0	100.0	103.9	106.6

*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). Rates are age-adjusted.*

Key takeaways: Rates are high for Grant compared to the region. Rates are increasing both for this region and for the state. Henry saw a drop in 2021-2022. Tipton saw an increase 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
BLACKFORD	24.3%
FAYETTE	26.2%
GRANT	25.7%
HENRY	24.5%
JAY	24.3%
MADISON (PR)	24.5%
RANDOLPH	24.3%
TIPTON (PR)	23.0%
UNION	26.2%
WAYNE	25.1%
Regional Rate	24.1%
Statewide Rate	17.9%
<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 for this region are high for Indiana.



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
BLACKFORD	26.2%	11.3%*	15.8%*	7.1%*
FAYETTE	17.1%	15.9%	11.1%	9.3%
GRANT	22.6%	17.0%	15.4%	9.3%
HENRY	13.5%	11.0%	8.8%	7.5%
JAY	13.5%	8.7%	7.7%	7.9%
MADISON (PR)	15.6%	10.6%	8.9%	7.3%
RANDOLPH	18.9%	9.1%	10.0%	12.1%
TIPTON (PR)	5.9%*	7.2%*	4.1%*	6.0%*
UNION	13.1%*	5.0%*	8.8%*	7.8%*
WAYNE	13.8%	11.3%	9.1%	8.6%
Regional Rate	16.3%	11.6%	10.0%	8.3%
Statewide Rate	9.0%	6.6%	5.3%	3.8%
<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 Grant compared to the region. Rates for this region are high for Indiana. Rates are decreasing both for this region and for the state. Randolph saw a drop in 2021-2022. Grant saw a drop in 2023-2024.

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
BLACKFORD	10.7*	10.8*	8.0*	10.0*	13.2*
FAYETTE	9.6*	9.2*	9.4*	10.1*	10.6*
GRANT	8.6	8.9	9.4	9.7	10.7
HENRY	5.1*	5.6*	7.3*	8.0*	9.6
JAY	12.2*	8.7*	8.8*	6.8*	9.4*
MADISON (PR)	7.1	7.4	7.7	8.2	7.8
RANDOLPH	11.5*	9.4*	6.5*	6.5*	4.9*
TIPTON (PR)	10.3*	9.1*	7.7*	8.8*	(S)
UNION	(S)	(S)	(S)	(S)	(S)
WAYNE	7.2	7.4	7.4	7.5	8.7
Regional Rate	8.1	7.9	8.0	8.2	8.7
Statewide Rate	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
BLACKFORD	8.8%*	5.6%*	4.7%*	9.2%*	9.4%*
FAYETTE	7.1%*	7.3%	6.7%*	8.6%	10.4%
GRANT	8.5%	11.2%	9.4%	9.7%	11.9%
HENRY	9.0%	7.3%	9.7%	9.7%	7.7%
JAY	9.7%	8.4%	7.3%	5.0%*	8.2%
MADISON (PR)	8.1%	9.9%	10.9%	10.3%	10.5%
RANDOLPH	7.5%	8.4%	7.3%	6.3%*	6.0%*
TIPTON (PR)	7.1%*	8.5%*	12.4%*	8.1%*	3.3%*
UNION	(S)	7.1%*	(S)	12.3%*	12.5%*
WAYNE	9.8%	8.7%	11.5%	8.8%	10.0%
Regional Rate	8.5%	9.1%	9.8%	9.1%	9.7%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

*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: No definitive trends or regional differences.

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
BLACKFORD	8.8%*	9.5%*	8.5%*	11.7%*	15.0%*
FAYETTE	6.7%*	11.3%	13.5%	11.8%	17.1%
GRANT	13.2%	12.8%	11.9%	12.5%	14.9%
HENRY	10.6%	7.3%	11.6%	11.9%	11.8%
JAY	9.0%	10.8%	8.0%	6.0%*	10.8%
MADISON (PR)	11.0%	13.5%	13.0%	12.8%	13.3%
RANDOLPH	13.2%	9.1%	9.4%	6.7%*	10.4%
TIPTON (PR)	8.9%*	14.4%	14.4%	10.5%*	9.9%*
UNION	(S)	10.7%*	(S)	22.8%*	10.9%*
WAYNE	12.7%	11.7%	13.5%	13.0%	13.9%
Regional Rate	11.2%	11.8%	12.1%	11.8%	13.3%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

*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: Henry and Randolph saw drops in 2020-2021. Henry saw an increase in 2021-2022. Fayette saw an increase in 2023-2024.



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
BLACKFORD	16.0%	20.6%	19.8%	21.7%	22.8%
FAYETTE	30.5%	33.9%	31.3%	27.2%	28.9%
GRANT	23.4%	24.4%	25.5%	19.3%	19.7%
HENRY	21.5%	22.7%	22.6%	21.3%	20.2%
JAY	38.8%	32.3%	32.9%	37.1%	33.8%
MADISON (PR)	25.6%	23.7%	22.3%	22.6%	18.6%
RANDOLPH	23.1%	29.0%	30.4%	24.5%	25.5%
TIPTON (PR)	20.1%	17.6%	28.1%	21.5%	17.9%
UNION	21.6%*	23.8%	30.0%*	12.3%*	12.5%*
WAYNE	30.6%	32.4%	32.4%	27.5%	31.9%
Regional Rate	26.1%	26.4%	26.4%	23.9%	23.1%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

*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 Jay compared to the region. Randolph saw an increase in 2020-2021. Jay saw a drop in 2020-2021. Tipton saw an increase in 2021-2022. Grant, Randolph, and Tipton 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
BLACKFORD	152.4*	37.9*	37.2*
FAYETTE	41.1*	0.0*	0.0*
GRANT	38.5*	38.6*	30.2*
HENRY	51.6*	82.5*	20.2*
JAY	156.2*	105.6*	131.6*
MADISON (PR)	24.0*	31.9*	38.8*
RANDOLPH	19.6*	118.2*	58.2*
TIPTON (PR)	58.9*	58.0*	56.1*
UNION	69.2*	0.0*	0.0*
WAYNE	107.7*	83.8*	29.9*
Regional Rate	56.1	54.7	37.0
Statewide Rate	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 decreasing for this region but increasing 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
BLACKFORD	8,079.3	8,984.1	6,845.2
FAYETTE	7,415.8	7,402.1	8,553.7
GRANT	7,318.2	8,236.1	7,996.7
HENRY	8,519.9	8,207.9	7,793.3
JAY	7,211.7	6,835.6	7,844.2
MADISON (PR)	6,461.9	7,819.5	8,029.0
RANDOLPH	6,018.4	7,290.6	6,764.9
TIPTON (PR)	7,243.8	9,541.8	8,443.2
UNION	4,013.8	3,137.5	3,386.6
WAYNE	7,314.8	7,940.3	7,042.9
Regional Rate	7,081.8	7,871.4	7,676.3
Statewide Rate	6,032.1	6,410.5	6,666.6

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 Union compared to the region. Tipton saw an increase in 2022-2023. Blackford saw a drop 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
BLACKFORD	1,562.5	1,440.5	1,153.3
FAYETTE	924.4	1,216.8	1,301.7
GRANT	1,215.9	1,375.3	1,578.2
HENRY	1,124.3	1,134.3	1,191.2
JAY	1,536.1	1,583.5	1,553.0
MADISON (PR)	1,297.2	1,307.2	1,397.0
RANDOLPH	1,274.3	1,379.3	1,473.2
TIPTON (PR)	942.3	1,160.1	1,318.4
UNION	622.8*	667.6*	702.9*
WAYNE	1,046.1	883.9	1,242.4
Regional Rate	1,193.5	1,228.2	1,358.8
Statewide Rate	1,103.9	1,132.9	1,187.9

*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).*

Key takeaways: Rates are increasing both for this region and for the state. Fayette saw an increase in 2022-2023. Wayne saw an increase in 2023-2024. Blackford saw a drop 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
BLACKFORD	41.9*	16.8*	33.9*
FAYETTE	25.7*	0.0*	12.9*
GRANT	19.7*	15.1*	12.0*
HENRY	22.5*	28.6*	8.1*
JAY	39.6*	30.0*	19.8*
MADISON (PR)	16.7	16.6	7.5*
RANDOLPH	45.0*	12.4*	8.2*
TIPTON (PR)	26.0*	13.1*	13.1*
UNION	43.2*	28.7*	29.1*
WAYNE	10.6*	15.1*	4.5*
Regional Rate	21.7	17.1	10.0
Statewide Rate	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
BLACKFORD	1,032.0	832.4	778.6
FAYETTE	852.3	843.2	874.2
GRANT	905.8	1,145.0	1,268.5
HENRY	832.1	807.3	727.4
JAY	861.5	753.8	872.8
MADISON (PR)	759.8	977.3	1,057.2
RANDOLPH	675.2	644.2	764.3
TIPTON (PR)	533.8	622.7	691.7
UNION	474.7	530.6	290.5
WAYNE	781.6	875.6	975.8
Regional Rate	794.9	905.4	969.1
Statewide Rate	762.0	836.2	862.3

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 Tipton and Union compared to the region. Rates are increasing both for this region and for the state. Grant and Madison saw increases in 2022-2023. Union saw a drop 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
BLACKFORD	75.5*	50.4*	76.2*
FAYETTE	47.1*	42.8*	38.6*
GRANT	56.0	61.9	75.2
HENRY	63.4	57.2	38.7*
JAY	158.4	44.9*	74.4*
MADISON (PR)	58.4	56.6	52.2
RANDOLPH	69.6*	53.7*	65.7*
TIPTON (PR)	(S)	98.3*	45.7*
UNION	(S)	(S)	(S)
WAYNE	24.1*	24.2*	37.6
Regional Rate	56.6	52.2	52.9
Statewide Rate	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: Grant saw an increase in 2023-2024.

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
BLACKFORD	58.7*	16.8*	25.4*
FAYETTE	55.7*	0.0*	21.4*
GRANT	21.2*	31.7	19.6*
HENRY	22.5*	18.4*	18.3*
JAY	39.6*	30.0*	29.8*
MADISON (PR)	12.9*	22.6	20.1
RANDOLPH	32.7*	20.6*	28.8*
TIPTON (PR)	32.5*	26.2*	26.1*
UNION	14.4*	0.0*	14.5*
WAYNE	33.2	22.7*	24.1*
Regional Rate	25.5	22.1	21.8
Statewide Rate	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
BLACKFORD	268.5	319.5	220.0
FAYETTE	316.9	355.3	390.0
GRANT	289.3	380.7	367.1
HENRY	323.0	292.3	328.0
JAY	287.2	314.5	272.8
MADISON (PR)	239.9	342.6	311.4
RANDOLPH	241.4	268.4	291.7
TIPTON (PR)	175.8	262.2	274.1
UNION	143.8*	229.5*	174.3*
WAYNE	300.3	353.9	302.7
Regional Rate	270.7	334.1	316.0
Statewide Rate	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: Madison saw an increase in 2022-2023. Blackford saw a drop in 2023-2024.

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
BLACKFORD	117.5*	92.5*	76.2*
FAYETTE	38.5*	34.2*	94.3
GRANT	74.2	105.7	90.3
HENRY	73.6	65.4	44.8
JAY	84.2*	109.8	74.4*
MADISON (PR)	71.4	77.7	70.8
RANDOLPH	57.3*	49.6*	57.5*
TIPTON (PR)	84.6*	78.7*	52.2*
UNION	(S)	(S)	(S)
WAYNE	36.2	39.3	31.6
Regional Rate	65.3	71.2	64.1
Statewide Rate	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: Rates are low for Wayne compared to the region. Rates are high for Grant compared to the region. Grant saw an increase 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
BLACKFORD	33.6*	33.6*	33.9*
FAYETTE	60.0*	55.6*	30.0*
GRANT	69.7	65.0	34.6
HENRY	28.6*	32.7*	24.4*
JAY	39.6*	59.9*	5.0*
MADISON (PR)	61.5	43.0	41.0
RANDOLPH	53.2*	41.3*	28.8*
TIPTON (PR)	39.1*	6.6*	6.5*
UNION	57.5*	28.7*	43.6*
WAYNE	69.4	52.9	57.2
Regional Rate	56.8	46.5	36.1
Statewide Rate	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 high for Indiana. Rates are decreasing both for this region and for the state. Grant saw a drop in 2023-2024.



Trauma & Injury Prevention

ED Visits From Overdoses

Table 29. Overdoses, ED Visit Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BLACKFORD	310.4	285.9	228.5
FAYETTE	398.3	372.4	257.1
GRANT	431.7	365.6	261.8
HENRY	269.9	310.7	185.4
JAY	193.1	219.6	213.3
MADISON (PR)	326.4	326.8	253.3
RANDOLPH	286.5	235.4	189.0
TIPTON (PR)	208.3	196.6	143.6
UNION	(S)	86.0*	(S)
WAYNE	378.7	313.0	251.5
Regional Rate	330.7	311.0	232.5
Statewide Rate	244.9	223.0	188.4

*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: Rates are low for Jay and Tipton compared to the region. Rates are decreasing both for this region and for the state. Fayette and Henry 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
BLACKFORD	50.3*	84.1*	101.6*
FAYETTE	158.5	196.9	184.3
GRANT	63.6	66.5	88.8
HENRY	87.9	63.4	61.1
JAY	74.3*	59.9*	59.5*
MADISON (PR)	101.0	98.1	82.7
RANDOLPH	98.2	111.5	94.5
TIPTON (PR)	65.1*	(S)	45.7*
UNION	(S)	71.7*	72.6*
WAYNE	166.0	133.1	197.3
Regional Rate	101.4	95.3	103.6
Statewide Rate	82.3	78.6	73.1

*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: Rates are low for Grant and Henry compared to the region. Rates are high for Fayette and Wayne compared to the region. Wayne saw an increase in 2023-2024.

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
BLACKFORD	25.2*	25.2*	16.9*
FAYETTE	38.5*	30.0*	21.4*
GRANT	63.6	54.4	24.1*
HENRY	20.4*	22.5*	14.3*
JAY	34.7*	25.0*	5.0*
MADISON (PR)	44.8	29.4	22.4
RANDOLPH	49.1*	20.6*	12.3*
TIPTON (PR)	6.5*	0.0*	0.0*
UNION	57.5*	28.7*	43.6*
WAYNE	58.8	39.3	45.2
Regional Rate	44.8	32.3	23.2
Statewide Rate	30.2	23.4	16.6

*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 high for Wayne compared to the region. 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 Opioid Overdoses

Table 32. Opioid Overdoses, ED Visit Rates per 100,000 by County, 2022-2024

County	2022	2023	2024
BLACKFORD	142.6*	92.5*	59.2*
FAYETTE	179.9	158.4	64.3*
GRANT	125.7	104.2	70.7
HENRY	94.0	100.1	38.7*
JAY	69.3*	74.9*	64.5*
MADISON (PR)	126.0	129.1	92.4
RANDOLPH	130.9	82.6	53.4*
TIPTON (PR)	45.6*	72.1*	45.7*
UNION	(S)	(S)	(S)
WAYNE	153.9	111.9	79.8
Regional Rate	123.1	110.2	71.5
Statewide Rate	98.5	77.3	54.7

*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.



Trauma & Injury Prevention

Hospitalizations From Opioid Overdoses

Table 33. Opioid Overdoses, Hospitalization Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BLACKFORD	(S)	(S)	(S)
FAYETTE	47.1*	59.9*	51.4*
GRANT	7.6*	22.7*	25.6*
HENRY	24.5*	(S)	18.3*
JAY	(S)	(S)	(S)
MADISON (PR)	28.1	25.7	17.1
RANDOLPH	24.6*	28.9*	24.7*
TIPTON (PR)	(S)	(S)	(S)
UNION	(S)	(S)	(S)
WAYNE	36.2	42.3	57.2
Regional Rate	24.6	26.5	26.8
Statewide Rate	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: Rates are high for Wayne compared to the region. Rates are increasing for this region but not for the state.

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
BLACKFORD	3	3	2
FAYETTE	9	7	5
GRANT	42	36	16
HENRY	10	11	7
JAY	7	5	1
MADISON (PR)	59	39	30
RANDOLPH	12	5	3
TIPTON (PR)	1	0	0
UNION	4	2	3
WAYNE	39	26	30
Regional Total	186	134	97
Statewide Total	2,064	1,608	1,149

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. Madison and Wayne saw drops in 2022-2023. Grant saw a drop 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
BLACKFORD	0	0	0
FAYETTE	0	0	0
GRANT	0	2	1
HENRY	0	1	1
JAY	0	0	0
MADISON (PR)	0	0	0
RANDOLPH	2	0	0
TIPTON (PR)	1	0	0
UNION	0	0	0
WAYNE	0	0	0
Regional Total	3	3	2
Statewide Total	66	24	25

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

Key takeaways: Grant and Henry saw increases in 2022-2023. Randolph and Tipton saw drops in 2022-2023. Grant saw a drop in 2023-2024.



Trauma & Injury Prevention

Death Counts From Overdoses, Benzodiazepine

Table 36. Benzodiazepine Overdoses, Death Counts by County, 2022-2024			
County	2022	2023	2024
BLACKFORD	2	1	0
FAYETTE	0	1	2
GRANT	2	1	1
HENRY	2	1	3
JAY	0	0	0
MADISON (PR)	19	8	2
RANDOLPH	0	1	0
TIPTON (PR)	0	0	0
UNION	0	1	0
WAYNE	9	8	7
Regional Total	34	22	15
Statewide Total	212	187	142

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. Madison saw a drop in 2022-2023. Madison saw a drop 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
BLACKFORD	0	1	0
FAYETTE	0	2	0
GRANT	2	8	2
HENRY	0	2	3
JAY	0	0	0
MADISON (PR)	7	7	10
RANDOLPH	0	0	0
TIPTON (PR)	0	0	0
UNION	0	0	0
WAYNE	10	7	10
Regional Total	19	27	25
Statewide Total	478	442	348

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

Key takeaways: Grant saw an increase in 2022-2023. Grant saw a drop 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
BLACKFORD	3	0	1
FAYETTE	7	6	3
GRANT	22	11	13
HENRY	4	7	9
JAY	3	4	1
MADISON (PR)	33	23	24
RANDOLPH	7	3	4
TIPTON (PR)	2	0	0
UNION	1	1	0
WAYNE	21	16	14
Regional Total	103	71	69
Statewide Total	948	763	618

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. Grant and Madison saw drops 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
BLACKFORD	2	3	1
FAYETTE	9	7	5
GRANT	39	35	16
HENRY	8	11	7
JAY	7	5	1
MADISON (PR)	50	38	29
RANDOLPH	11	4	3
TIPTON (PR)	1	0	0
UNION	2	2	3
WAYNE	36	23	29
Regional Total	165	128	94
Statewide Total	1,911	1,504	1,045

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. Madison and Wayne saw drops in 2022-2023. Grant 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
BLACKFORD	1,196.2	1,154.6	1,087.4
FAYETTE	1,580.0	1,436.6	1,320.8
GRANT	1,085.0	1,079.0	1,021.9
HENRY	1,329.5	1,219.4	1,104.5
JAY	796.2	818.1	759.1
MADISON (PR)	1,096.4	1,061.1	970.5
RANDOLPH	877.5	926.9	889.8
TIPTON (PR)	858.0	832.2	783.9
UNION	794.7	675.5	586.3
WAYNE	1,082.4	1,050.9	974.2
Regional Rate	1,108.5	1,070.4	989.8
Statewide Rate	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 Jay and Union compared to the region. Rates are high for Fayette compared to the region. Rates for this region are high for Indiana. Rates are decreasing both for this region and for the state. Fayette saw a drop in 2022-2023.

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
BLACKFORD	50.3*	8.4*	33.9*
FAYETTE	21.4*	21.4*	21.4*
GRANT	12.1*	36.3	15.0*
HENRY	14.3*	14.3*	22.4*
JAY	19.8*	20.0*	19.8*
MADISON (PR)	17.5	25.7	21.6
RANDOLPH	24.6*	16.5*	12.3*
TIPTON (PR)	32.5*	19.7*	13.1*
UNION	14.4*	0.0*	29.1*
WAYNE	16.6*	27.2*	15.1*
Regional Rate	18.3	24.1	19.1
Statewide Rate	16.8	17.3	16.9

*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).*

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
BLACKFORD	109.1*	117.7*	101.6*
FAYETTE	111.4	128.4	137.1
GRANT	184.8	161.6	141.4
HENRY	143.1	190.1	250.6
JAY	118.8	79.9*	94.2*
MADISON (PR)	140.4	175.8	143.0
RANDOLPH	98.2	95.0	90.4
TIPTON (PR)	110.7*	65.5*	52.2*
UNION	(S)	(S)	(S)
WAYNE	125.2	151.2	135.5
Regional Rate	135.8	151.4	142.1
Statewide Rate	111.9	108.7	105.3

*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 Randolph compared to the region. Rates are high for Henry compared to the region. Henry saw an increase in 2023-2024.



Trauma & Injury Prevention

Hospitalizations From Self-Harm

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

County	2022	2023	2024
BLACKFORD	(S)	50.4*	84.6*
FAYETTE	68.5*	47.1*	77.1*
GRANT	16.7*	30.2	31.6
HENRY	36.8*	32.7*	28.5*
JAY	39.6*	44.9*	24.8*
MADISON (PR)	33.4	37.0	29.8
RANDOLPH	49.1*	28.9*	32.9*
TIPTON (PR)	(S)	(S)	(S)
UNION	(S)	(S)	(S)
WAYNE	49.8	60.5	57.2
Regional Rate	35.2	39.0	38.3
Statewide Rate	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 high for Wayne compared to the region. Wayne saw an increase in 2022-2023.

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
BLACKFORD	6,373	7,810	8,577	6,254	0*
FAYETTE	0*	2,769	10,953	10,895	11,088
GRANT	26,637	33,626	31,865	33,652	34,885
HENRY	15,595	16,901	17,921	17,735	14,811
JAY	7,409	8,660	9,486	9,787	11,704
MADISON (PR)	53,942	57,678	58,769	65,002	67,291
RANDOLPH	6,889	7,755	7,866	8,598	8,876
TIPTON (PR)	5,089	6,189	6,738	6,985	7,570
UNION	0*	0*	0*	0*	0*
WAYNE	36,226	26,689	32,313	33,531	32,799
Regional Total	158,160	168,077	184,488	192,439	189,024
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

*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. Grant saw an increase in 2020-2021. Wayne saw a drop in 2020-2021. Fayette and Wayne saw increases in 2021-2022. Madison 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
BLACKFORD	73.0
FAYETTE	71.8
GRANT	71.9
HENRY	74.2
JAY	74.2
MADISON (PR)	73.8
RANDOLPH	74.1
TIPTON (PR)	76.0
UNION	75.5
WAYNE	72.6
Regional Average	73.4
Statewide Average	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 46. Provider Ratios by County, 2015-2023

County	2015	2017	2019	2021	2023
BLACKFORD	810	725	657	770	1,048
FAYETTE	535	577	644	777	677
GRANT	717	869	735	716	626
HENRY	806	1,159	637	485	496
JAY	1,003	893	418	521	966
MADISON (PR)	491	392	352	317	404
RANDOLPH	776	877	614	1,108	848
TIPTON (PR)	731	756	457	364	384
UNION	2,147	7,299	1,000	2,807	1,921
WAYNE	326	299	192	203	203
Regional Ratio	550	519	389	384	418
Statewide Ratio	361	316	209	205	215

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 Wayne compared to the region. Values are high for Blackford, Fayette, Grant, Henry, Jay, Randolph, and Union compared to the region. Values for this region are high for Indiana. Union saw an increase in 2015-2017. Union saw a drop in 2017-2019. Union saw an increase in 2019-2021.

Geospatial Analysis

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

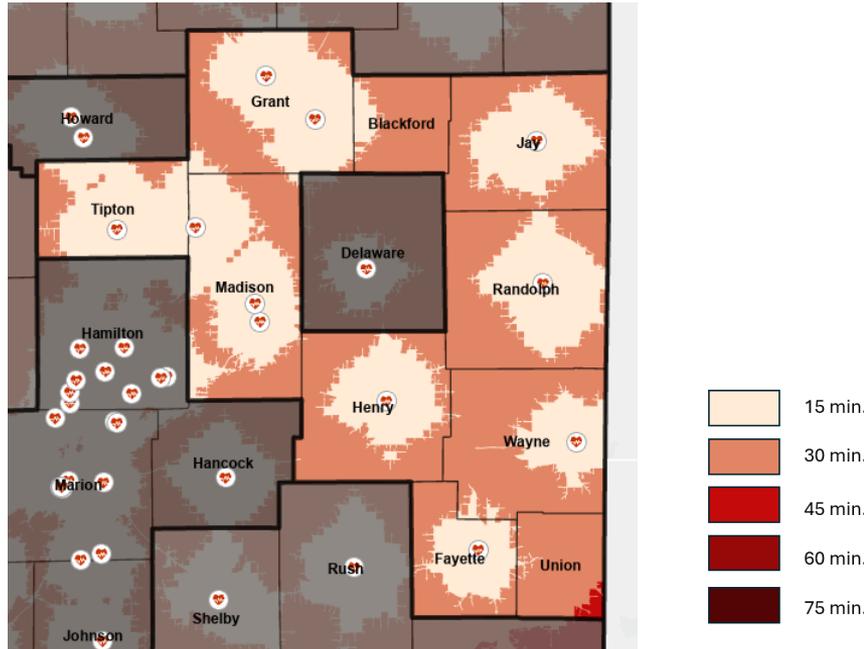
Metric: **Drive-time analysis of local emergency departments*** and **Drive-time analysis of local birthing hospitals***

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

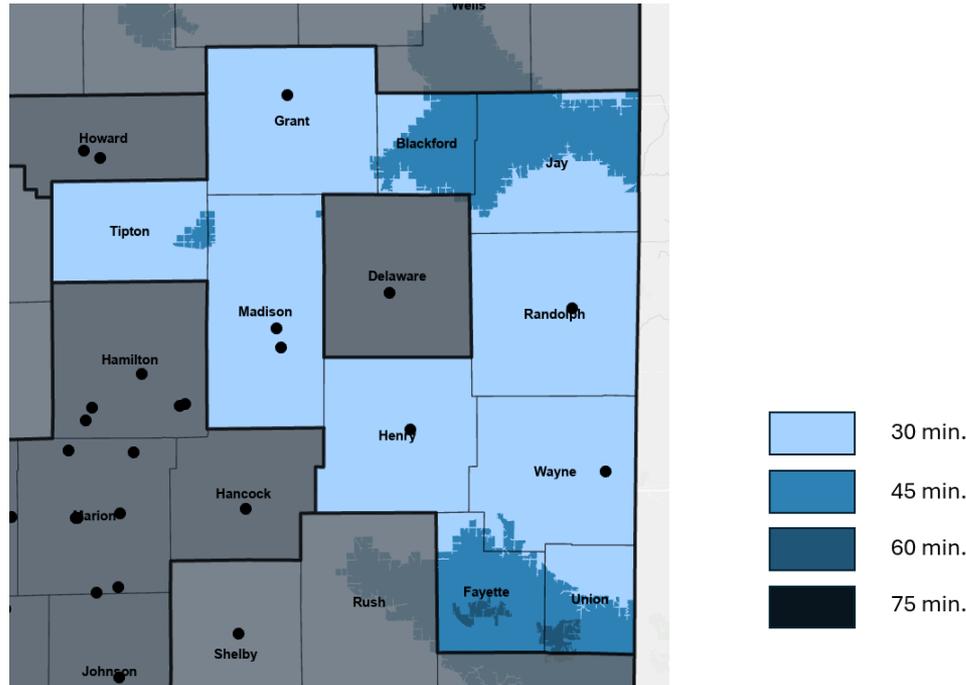
Drive-time to emergency departments



Key takeaways: Most residents in this region can access emergency care within a 15 or 30 minute drive. **Parts of Union county exhibit longer drive-times, up to 45 minutes.**

Geospatial Analysis

Drive-time to birthing hospitals



Key takeaways: Most counties in this region exhibit drive-times of 30 minutes or less to an Indiana birthing facility. However, some residents of Blackford, Jay, Tipton, Fayette and Union **may travel between 45 and 60 minutes to receive care at an Indiana facility.**



INDIANA
RURAL HEALTH TRANSFORMATION

REGION 5

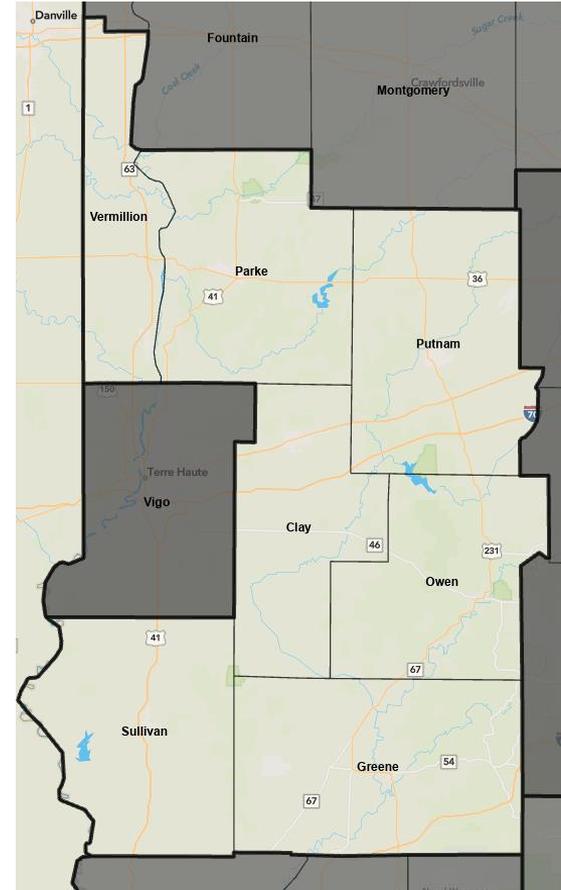


Indiana
Department
of
Health

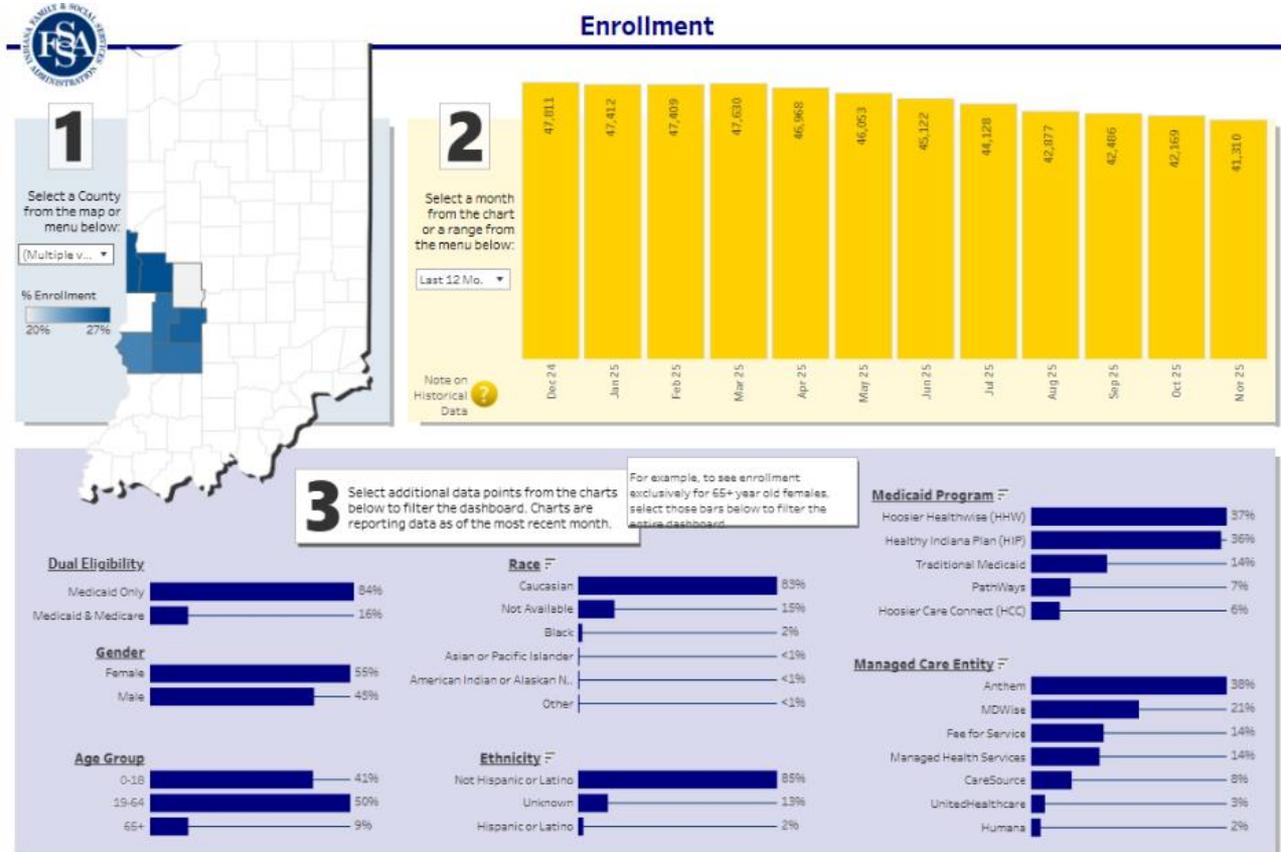
Region 5

This region includes the following **fully rural** designated counties:

- Vermillion
- Parke
- Putnam
- Clay
- Owen
- Sullivan
- Greene



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
CLAY	39.1%	41.1%	42.3%
GREENE	38.4%	37.2%	40.5%
OWEN	39.1%	36.9%	39.9%
PARKE	40.5%	42.2%	38.3%
PUTNAM	38.6%	36.2%	39.4%
SULLIVAN	42.0%	37.8%	38.1%
VERMILLION	41.5%	40.9%	40.8%
Regional Average	39.6%	38.4%	40.0%
Statewide Rate	37.0%	36.0%	38.0%

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

Key takeaways: Sullivan saw a drop in 2020-2021.

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
CLAY	0.4%
GREENE	0.7%
OWEN	0.8%
PARKE	0.3%
PUTNAM	0.6%
SULLIVAN	0.5%
VERMILLION	0.6%
Regional Rate	0.6%
Statewide Rate	0.5%
<small>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.</small>	

Key takeaways: Rates are low for Clay and Parke compared to the region. Rates are high for Owen 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
CLAY	10.8%
GREENE	16.4%
OWEN	18.0%
PARKE	8.7%
PUTNAM	14.6%
SULLIVAN	14.9%
VERMILLION	9.3%
Regional Rate	13.9%
Statewide Rate	11.2%
<small>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.</small>	

Key takeaways: Rates are low for Parke and Vermillion 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
CLAY	33.7*	56.2*	22.6*	13.3*	22.5*
GREENE	33.6*	55.0*	48.2*	39.3*	48.8*
OWEN	69.2*	42.1*	26.8*	54.3*	27.8*
PARKE	16.0*	11.5*	33.1*	35.4*	25.1*
PUTNAM	14.5*	40.4*	25.3*	34.9*	22.3*
SULLIVAN	51.2*	26.9*	37.7*	51.6*	17.7*
VERMILLION	40.4*	38.7*	26.2*	17.4*	35.8*
Regional Rate	35.2	41.3	31.4	35.1	28.7
Statewide Rate	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. * = 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
CLAY	387.9	335.2	320.7	436.9	420.3
GREENE	403.1	472.6	501.4	500.6	493.2
OWEN	233.6	438.0	317.3	381.8	389.6
PARKE	260.1	145.8	209.0	227.9	256.3
PUTNAM	288.5	268.5	286.4	415.1	290.2
SULLIVAN	228.7	373.2	374.7	460.4	481.2
VERMILLION	451.4	467.7	272.6	364.8	401.5
Regional Rate	322.3	356.6	338.9	412.2	166.1
Statewide Rate	344.1	364.1	365.3	401.7	406.9

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

Key takeaways: Rates are low for Parke compared to the region. Rates are high for Greene compared to the region. Owen and Sullivan saw increases in 2020-2021. Vermillion saw a drop in 2021-2022.

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
CLAY	50.4%
GREENE	63.0%
OWEN	76.8%
PARKE	48.6%
PUTNAM	44.2%
SULLIVAN	56.3%
VERMILLION	54.4%
Regional Rate	55.9%
Statewide Rate	47.5%
<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.</i>	

Key takeaways: Rates are high for Owen 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
CLAY	73.2*	52.4*	68.9*	118.3	106.3
GREENE	48.2*	43.3*	61.9	31.9*	61.8
OWEN	54.7*	53.6*	72.5*	124.7	55.6*
PARKE	54.5*	50.0*	55.5*	38.9*	46.1*
PUTNAM	27.2*	35.0*	39.9*	60.5	65.0
SULLIVAN	40.2*	82.8*	85.5*	84.0*	47.0*
VERMILLION	45.1*	9.4*	43.8*	56.9*	40.9*
Regional Rate	47.8	46.4	60.1	73.0	63.5
Statewide Rate	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. * = Unstable (count is less than 20). Rates are age-adjusted.*

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



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
CLAY	565.3	488.7	571.9	716.8	890.6
GREENE	571.3	933.4	808.9	930.6	926.9
OWEN	746.0	832.6	1,013.5	1,141.9	756.1
PARKE	312.8	378.3	465.7	419.6	443.1
PUTNAM	379.8	449.0	479.1	632.6	611.3
SULLIVAN	547.0	560.2	588.5	723.0	721.3
VERMILLION	471.6	619.6	514.6	533.6	678.8
Regional Rate	511.9	616.4	637.5	748.2	735.1
Statewide Rate	528.5	590.1	634.8	704.1	654.9

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

Key takeaways: Rates are low for Parke compared to the region. Rates are high for Owen compared to the region. Rates are increasing for this region but not for the state. Greene saw an increase in 2020-2021. Owen saw a drop 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
CLAY	380.9	325.7	385.4	386.1	369.6
GREENE	305.1	275.9	284.5	284.0	278.0
OWEN	332.3	239.3	301.6	319.5	225.8
PARKE	278.8	265.2	251.3	289.0	248.6
PUTNAM	235.0	273.7	287.0	313.8	335.1
SULLIVAN	291.0	348.3	330.1	375.9	337.8
VERMILLION	348.1	375.0	375.5	309.7	311.6
Regional Rate	304.7	295.9	313.5	325.3	304.6
Statewide Rate	257.9	257.2	248.7	244.8	239.9

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

Key takeaways: Owen saw a drop in 2020-2021. Vermillion saw a drop in 2022-2023. Owen saw a drop 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
CLAY	921.2	843.0	808.5	785.3	883.6
GREENE	765.7	1,014.9	984.1	1,160.3	1,333.1
OWEN	771.8	904.5	968.6	1,263.5	981.1
PARKE	790.0	726.8	682.6	760.5	816.3
PUTNAM	1,006.1	1,057.9	1,066.2	1,090.1	948.2
SULLIVAN	933.9	1,024.8	1,085.9	1,014.9	1,070.0
VERMILLION	1,097.3	932.8	1,074.4	917.1	1,399.0
Regional Rate	891.4	945.1	960.6	1,019.0	1,055.2
Statewide Rate	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. Rates are age-adjusted.

Key takeaways: Rates for this region are high for Indiana. Rates are increasing both for this region and for the state. Greene saw an increase in 2020-2021. Owen saw an increase in 2022-2023. Vermillion saw an increase in 2023-2024. Owen saw a drop in 2023-2024.

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
CLAY	41.5*	46.3*	58.8*	59.1*	36.3*
GREENE	49.3*	33.8*	51.5*	49.8*	65.7
OWEN	43.4*	81.9*	39.2*	38.9*	65.0*
PARKE	35.2*	64.3*	52.8*	50.4*	72.1*
PUTNAM	57.3*	45.8*	92.1	48.4*	42.0*
SULLIVAN	33.1*	43.0*	24.5*	34.4*	25.8*
VERMILLION	119.1*	106.8*	86.4*	88.4*	133.4
Regional Rate	52.4	55.8	59.4	50.8	58.1
Statewide Rate	57.0	59.0	56.1	56.0	55.7

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
CLAY	120.8	143.9	156.8	124.1	133.3
GREENE	136.7	171.8	233.7	189.8	191.4
OWEN	99.2	119.9	91.2	122.0	125.8
PARKE	140.4	117.2	125.5	160.0	165.1
PUTNAM	100.7	128.3	115.0	164.1	160.2
SULLIVAN	112.2	96.7	156.8	106.8	202.4
VERMILLION	222.4	179.9	144.8	141.4	204.1
Regional Rate	127.1	136.8	149.8	147.0	166.1
Statewide Rate	88.3	94.0	100.0	103.9	106.6

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

Key takeaways: Rates for this region are high for Indiana. Rates are increasing both for this region and for the state. Greene and Sullivan saw increases in 2021-2022. Sullivan and Vermillion saw increases 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
CLAY	21.2%
GREENE	22.6%
OWEN	21.2%
PARKE	21.2%
PUTNAM	21.2%
SULLIVAN	22.6%
VERMILLION	21.2%
Regional Rate	21.6%
Statewide Rate	17.9%

Data Source: BRFSS. Source is same for state and county. Counties with insufficient data are grouped with nearby ones.

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
CLAY	18.9%	14.6%	7.0%	6.1%*
GREENE	15.5%	11.5%	11.1%	9.0%
OWEN	21.5%	12.4%	13.2%	11.3%
PARKE	10.6%	8.2%*	5.4%*	5.4%*
PUTNAM	12.5%	11.1%	7.2%	4.6%*
SULLIVAN	16.2%	9.2%	9.2%	9.8%*
VERMILLION	19.8%	13.8%	9.2%*	8.1%*
Regional Rate	16.1%	11.5%	8.7%	7.5%
Statewide Rate	9.0%	6.6%	5.3%	3.8%
<i>Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = Unstable (count is less than 20).</i>				

Key takeaways: Rates are high for Owen compared to the region. Rates for this region are high for Indiana. Rates are decreasing both for this region and for the state. Owen saw a drop in 2021-2022. Clay 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
CLAY	9.6*	10.4*	10.0*	10.3*	12.8*
GREENE	5.4*	5.4*	7.9*	8.9*	9.6*
OWEN	9.3*	7.4*	6.4*	7.6*	8.4*
PARKE	7.0*	8.9*	6.9*	6.8*	9.4*
PUTNAM	6.0*	6.1*	3.9*	4.5*	4.5*
SULLIVAN	12.4*	7.6*	6.6*	8.5*	4.8*
VERMILLION	11.2*	8.6*	7.6*	7.7*	(S)
Regional Rate	8.2	7.6	7.0	7.7	7.9
Statewide Rate	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. * = 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
CLAY	7.0%	8.0%	8.9%	9.4%	4.6%*
GREENE	9.5%	7.3%	10.2%	6.4%*	9.6%
OWEN	7.5%*	15.1%	9.7%	6.4%*	6.7%*
PARKE	6.6%*	(S)	8.7%*	4.1%*	4.0%*
PUTNAM	5.8%	8.7%	6.1%	4.9%*	4.1%*
SULLIVAN	7.4%*	6.2%*	5.1%*	12.3%	5.2%*
VERMILLION	9.4%*	9.6%*	(S)	8.6%*	7.6%*
Regional Rate	7.5%	8.1%	7.5%	7.3%	5.9%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

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

Key takeaways: Owen saw a drop 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
CLAY	10.8%	9.8%	12.1%	10.5%	7.3%*
GREENE	11.1%	14.3%	10.2%	8.7%	14.2%
OWEN	9.5%*	16.4%	12.0%	9.8%	9.7%
PARKE	10.7%	6.0%*	7.7%*	6.3%*	6.2%*
PUTNAM	8.1%	11.9%	9.1%	10.3%	6.7%
SULLIVAN	10.4%	8.6%*	7.4%*	11.5%	11.9%
VERMILLION	10.6%*	13.2%	4.1%*	8.6%*	12.8%
Regional Rate	10.1%	11.6%	9.4%	9.5%	9.6%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

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

Key takeaways: Greene saw an increase in 2023-2024.

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
CLAY	26.1%	19.6%	23.5%	16.0%	15.7%
GREENE	24.6%	22.8%	21.7%	17.8%	20.7%
OWEN	22.6%	23.3%	19.4%	22.5%	23.9%
PARKE	46.2%	43.1%	51.0%	49.8%	45.5%
PUTNAM	24.0%	18.6%	16.9%	14.3%	13.4%
SULLIVAN	29.7%	16.2%	21.2%	18.5%	17.5%
VERMILLION	31.2%	29.3%	28.3%	16.0%	14.0%
Regional Rate	28.2%	23.8%	24.7%	21.3%	20.9%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

Data Source: Indiana Department of Health Maternal and Child Health. Source is same for state and county.

Key takeaways: Rates are low for Putnam compared to the region. Rates are high for Parke compared to the region. Rates are decreasing for this region but not for the state. Sullivan saw a drop in 2020-2021. Parke saw an increase in 2021-2022. Clay and Vermillion 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
CLAY	19.8*	57.8*	56.0*
GREENE	127.1*	62.2*	30.6*
OWEN	22.2*	107.7*	167.5*
PARKE	58.3*	85.9*	55.9*
PUTNAM	61.2*	44.7*	14.8*
SULLIVAN	25.3*	25.1*	24.2*
VERMILLION	0.0*	95.4*	0.0*
Regional Rate	51.6*	65.5	49.5*
Statewide Rate	53.1	58.1	58.4

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
CLAY	6,208.0	6,535.6	6,701.5
GREENE	7,740.0	9,461.6	9,025.5
OWEN	6,340.1	5,967.3	6,028.9
PARKE	5,484.2	5,727.4	5,308.7
PUTNAM	8,463.4	7,671.7	7,901.0
SULLIVAN	7,038.0	7,506.9	7,420.8
VERMILLION	6,805.3	7,249.6	7,656.2
Regional Rate	7,047.7	7,341.9	7,316.6
Statewide Rate	6,032.1	6,410.5	6,666.6

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county.

Key takeaways: Greene saw an increase in 2022-2023.



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
CLAY	1,107.2	1,330.2	1,866.7
GREENE	985.4	1,213.8	1,300.3
OWEN	1,064.1	1,141.7	1,235.1
PARKE	846.0	1,145.5	1,313.2
PUTNAM	1,071.3	1,161.9	889.4
SULLIVAN	1,215.2	1,380.9	1,377.8
VERMILLION	1,575.3	1,271.9	1,906.2
Regional Rate	1,101.8	1,229.6	1,366.0
Statewide Rate	1,103.9	1,132.9	1,187.9

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county.

Key takeaways: Rates are increasing both for this region and for the state. Clay and Vermillion saw increases 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
CLAY	0.0*	7.6*	11.4*
GREENE	25.8*	32.1*	12.8*
OWEN	14.0*	32.5*	4.6*
PARKE	18.3*	12.1*	18.2*
PUTNAM	18.8*	13.3*	10.6*
SULLIVAN	33.9*	14.5*	38.5*
VERMILLION	25.9*	6.5*	19.3*
Regional Rate	19.0	17.7	15.3
Statewide Rate	14.2	13.7	12.6

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
CLAY	803.7	861.7	987.7
GREENE	896.6	839.9	912.9
OWEN	828.6	1,133.2	1,066.3
PARKE	494.8	606.6	575.5
PUTNAM	699.7	708.1	756.5
SULLIVAN	706.3	669.7	703.0
VERMILLION	692.5	745.9	825.0
Regional Rate	748.9	799.2	843.1
Statewide Rate	762.0	836.2	862.3

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county.

Key takeaways: Rates are low for Parke compared to the region. Rates are increasing both for this region and for the state. Owen saw an increase 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
CLAY	45.5*	52.9*	71.9*
GREENE	51.6*	73.7	35.2*
OWEN	51.2*	79.0*	82.4*
PARKE	42.8*	36.4*	36.3*
PUTNAM	59.0	42.6*	58.2
SULLIVAN	82.2*	57.8*	43.3*
VERMILLION	64.7*	(S)	58.0*
Regional Rate	56.3	54.3	55.3
Statewide Rate	44.4	47.0	45.1

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. * = 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
CLAY	19.0*	30.2*	22.7*
GREENE	38.7*	38.5*	19.2*
OWEN	27.9*	37.2*	27.5*
PARKE	24.4*	18.2*	54.5*
PUTNAM	16.1*	34.6*	26.5*
SULLIVAN	33.9*	24.1*	9.6*
VERMILLION	12.9*	32.4*	19.3*
Regional Rate	24.9	31.9	24.7
Statewide Rate	21.1	21.3	22.4

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
CLAY	299.5	343.9	325.5
GREENE	532.2	612.3	560.6
OWEN	423.6	427.3	549.2
PARKE	195.5	230.5	230.2
PUTNAM	370.0	375.3	354.5
SULLIVAN	309.6	346.9	385.2
VERMILLION	233.0	278.9	328.7
Regional Rate	358.7	394.3	402.1
Statewide Rate	246.1	260.1	261.2

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county.

Key takeaways: Rates are low for Parke and Vermillion compared to the region. Rates are high for Greene compared to the region. Rates for this region are high for Indiana. Rates are increasing both for this region and for the state. Greene saw an increase in 2022-2023. Owen saw an increase in 2023-2024.



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
CLAY	56.9*	79.4	79.5
GREENE	80.6	67.3	76.9
OWEN	74.5*	120.8	119.0
PARKE	91.6*	78.9*	103.0*
PUTNAM	59.0	63.9	52.9
SULLIVAN	62.9*	53.0*	86.7*
VERMILLION	71.2*	84.3*	90.2*
Regional Rate	69.4	76.1	82.3
Statewide Rate	62.2	64.7	66.4

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

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

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
CLAY	11.4*	34.0*	22.7*
GREENE	19.4*	22.4*	9.6*
OWEN	32.6*	32.5*	22.9*
PARKE	18.3*	6.1*	18.2*
PUTNAM	13.4*	18.6*	21.2*
SULLIVAN	14.5*	19.3*	14.4*
VERMILLION	12.9*	38.9*	19.3*
Regional Rate	17.2	24.2	18.2
Statewide Rate	39.1	32.4	24.7

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

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



Trauma & Injury Prevention

ED Visits From Overdoses

Table 29. Overdoses, ED Visit Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
CLAY	178.2	162.5	181.7
GREENE	283.8	246.8	281.9
OWEN	228.1	116.1	205.9
PARKE	128.3	151.7	139.3
PUTNAM	214.5	205.0	187.8
SULLIVAN	193.5	154.2	154.1
VERMILLION	265.4	220.5	199.8
Regional Rate	217.0	184.8	198.7
Statewide Rate	244.9	223.0	188.4

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county.

Key takeaways: Rates are low for Parke compared to the region. Rates are high for Greene compared to the region. Owen saw a drop in 2022-2023. Owen saw an increase 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
CLAY	68.2*	90.7	87.0
GREENE	48.4*	48.1*	76.9
OWEN	93.1	74.3*	77.8*
PARKE	48.9*	48.5*	48.5*
PUTNAM	50.9*	53.2	26.5*
SULLIVAN	53.2*	77.1*	48.2*
VERMILLION	38.8*	58.4*	141.8
Regional Rate	57.5	63.7	67.0
Statewide Rate	82.3	78.6	73.1

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

Key takeaways: Rates are increasing for this region but decreasing for the state.

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
CLAY	3.8*	11.3*	7.6*
GREENE	12.9*	16.0*	6.4*
OWEN	23.3*	18.6*	13.7*
PARKE	18.3*	0.0*	6.1*
PUTNAM	13.4*	8.0*	15.9*
SULLIVAN	9.7*	4.8*	0.0*
VERMILLION	6.5*	25.9*	6.4*
Regional Rate	12.5	11.8	8.8*
Statewide Rate	30.2	23.4	16.6

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
CLAY	34.1*	22.7*	22.7*
GREENE	87.1	38.5*	64.1
OWEN	107.1	41.8*	73.2*
PARKE	(S)	(S)	(S)
PUTNAM	64.3	55.9	29.1*
SULLIVAN	24.2*	33.7*	(S)
VERMILLION	(S)	45.4*	51.6*
Regional Rate	55.7	39.0	38.2
Statewide Rate	98.5	77.3	54.7

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. * = 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
CLAY	(S)	(S)	(S)
GREENE	(S)	(S)	19.2*
OWEN	(S)	23.2*	(S)
PARKE	(S)	(S)	(S)
PUTNAM	16.1*	(S)	(S)
SULLIVAN	(S)	(S)	(S)
VERMILLION	(S)	(S)	(S)
Regional Rate	9.5*	11.8	11.2*
Statewide Rate	20.3	20.7	17.6

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. * = 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
CLAY	1	3	2
GREENE	4	5	2
OWEN	5	4	3
PARKE	3	0	1
PUTNAM	5	3	6
SULLIVAN	2	1	0
VERMILLION	1	4	1
Regional Total	21	20	15
Statewide Total	<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.

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

Trauma & Injury Prevention

Death Counts From Overdoses, Heroin

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

County	2022	2023	2024
CLAY	0	0	0
GREENE	0	0	0
OWEN	0	0	0
PARKE	0	0	0
PUTNAM	1	0	0
SULLIVAN	0	0	0
VERMILLION	0	0	0
Regional Total	1	0	0
Statewide Total	66	24	25

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

Key takeaways: Putnam 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
CLAY	0	1	0
GREENE	1	0	0
OWEN	1	1	1
PARKE	0	0	1
PUTNAM	0	0	0
SULLIVAN	0	1	0
VERMILLION	0	1	0
Regional Total	2	4	2
Statewide Total	212	187	142

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

Key takeaways: No definitive trends or regional differences.



Trauma & Injury Prevention

Death Counts From Overdoses, Cocaine

Table 37. Cocaine Overdoses, Death Counts by County, 2022-2024			
County	2022	2023	2024
CLAY	1	1	0
GREENE	0	1	0
OWEN	0	0	0
PARKE	0	0	0
PUTNAM	1	0	0
SULLIVAN	0	0	0
VERMILLION	0	0	0
Regional Total	2	2	0
Statewide Total	478	442	348

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

Key takeaways: Greene saw an increase in 2022-2023. Putnam saw a drop in 2022-2023. Clay and Greene 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
CLAY	1	3	5
GREENE	2	4	2
OWEN	3	4	3
PARKE	1	1	1
PUTNAM	1	5	5
SULLIVAN	0	3	2
VERMILLION	2	3	1
Regional Total	10	23	19
Statewide Total	948	763	678

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

Key takeaways: Putnam saw an increase 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
CLAY	1	2	1
GREENE	4	4	1
OWEN	4	4	3
PARKE	3	0	0
PUTNAM	5	3	6
SULLIVAN	1	1	0
VERMILLION	1	1	0
Regional Total	19	15	11
Statewide Total	<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.

Key takeaways: Counts are decreasing both for this region and for the state. Parke saw a drop in 2022-2023. Putnam saw an increase in 2023-2024. Greene 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
CLAY	679.8	691.2	678.4
GREENE	969.9	984.0	927.4
OWEN	1,094.5	1,101.3	1,008.3
PARKE	673.0	628.7	592.9
PUTNAM	815.5	825.8	767.0
SULLIVAN	716.6	795.6	808.3
VERMILLION	773.2	787.1	724.3
Regional Rate	828.4	842.5	797.9
Statewide Rate	701.2	686.2	628.7

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

Key takeaways: Sullivan saw an increase in 2022-2023. Owen 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
CLAY	26.5*	22.7*	18.9*
GREENE	19.4*	28.8*	19.2*
OWEN	32.6*	37.2*	22.9*
PARKE	6.1*	6.1*	30.3*
PUTNAM	21.4*	39.9*	15.9*
SULLIVAN	29.0*	14.5*	28.9*
VERMILLION	32.4*	38.9*	32.2*
Regional Rate	23.7	28.3	22.3
Statewide Rate	16.8	17.3	16.9

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

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



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
CLAY	155.4	158.7	147.6
GREENE	135.5	125.0	163.4
OWEN	116.4	65.0*	123.6
PARKE	116.1*	103.1*	96.9*
PUTNAM	126.0	133.1	121.7
SULLIVAN	150.0	81.9*	125.2
VERMILLION	181.2	97.3*	148.2
Regional Rate	138.1	114.5	134.0
Statewide Rate	111.9	108.7	105.3
<i>Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. * = Unstable (count is less than 20).</i>			

Key takeaways: Greene saw an increase in 2023-2024.



Trauma & Injury Prevention

Hospitalizations From Self-Harm

Table 43. Self-Harm, Hospitalization Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
CLAY	30.3*	45.4*	41.6*
GREENE	19.4*	25.6*	32.0*
OWEN	37.2*	27.9*	45.8*
PARKE	36.7*	30.3*	(S)
PUTNAM	21.4*	21.3*	18.5*
SULLIVAN	24.2*	33.7*	33.7*
VERMILLION	(S)	(S)	(S)
Regional Rate	26.1	28.9	30.6
Statewide Rate	30.7	29.4	27.5

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

Key takeaways: Rates are increasing for this region but decreasing 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
CLAY	6,363	6,374	6,879	7,441	7,279
GREENE	7,236	8,819	9,554	10,127	10,636
OWEN	0*	0*	0*	0*	0*
PARKE	0*	0*	0*	0*	0*
PUTNAM	9,096	10,503	11,687	12,179	11,065
SULLIVAN	6,246	7,032	7,809	7,867	7,984
VERMILLION	7,866	9,051	9,876	9,813	10,306
Regional Total	36,807	41,779	45,805	47,427	47,270
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

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

Key takeaways: Counts are increasing both for this region and for the state. Greene and Putnam saw increases in 2020-2021.

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
CLAY	75.6
GREENE	74.7
OWEN	73.5
PARKE	78.2
PUTNAM	76.4
SULLIVAN	75.6
VERMILLION	74.2
Regional Average	75.5
Statewide Average	75.6
<i>Data Source: University of Wisconsin Population Health Institute. Source is same for state and county.</i>	

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
CLAY	1,181	1,412	1,007	829	826
GREENE	1,350	1,541	1,147	887	880
OWEN	2,523	2,523	2,903	3,311	1,737
PARKE	1,213	1,820	896	1,267	1,569
PUTNAM	925	675	561	633	692
SULLIVAN	1,398	1,417	598	591	488
VERMILLION	862	624	446	476	478
Regional Ratio	1,206	1,127	784	791	777
Statewide Ratio	361	316	209	205	215

Data Source: Bowen Center for Health Workforce Research and Policy. Source is same for state and county.

Key takeaways: Values are low for Putnam and Vermillion compared to the region. Values are high for Owen and Parke compared to the region. Values for this region are high for Indiana. Values are decreasing for this region but not for the state. Parke saw an increase in 2015-2017. Parke and Sullivan saw drops in 2017-2019. Owen saw a drop in 2021-2023.

Geospatial Analysis

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

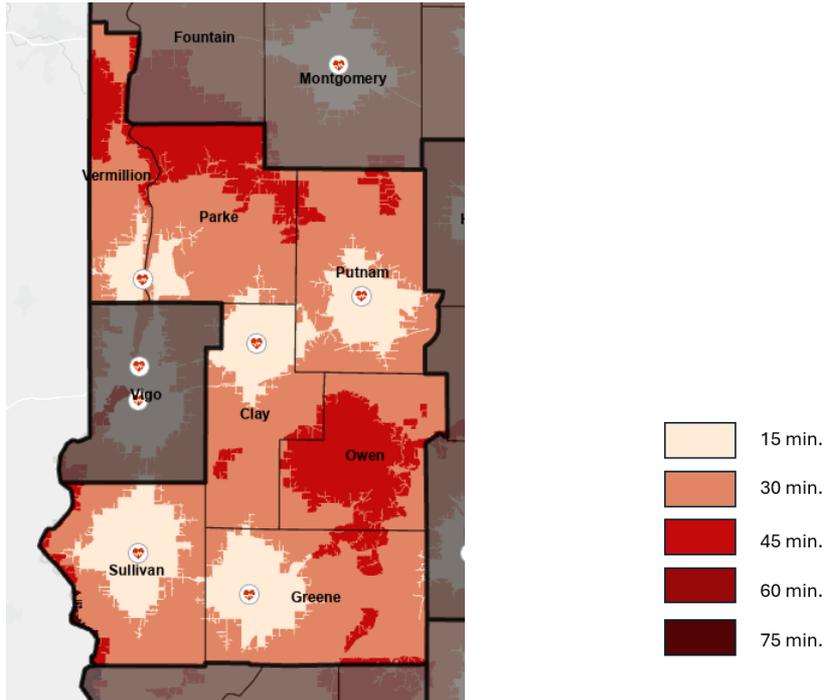
Metric: **Drive-time analysis of local emergency departments*** and
Drive-time analysis of local birthing hospitals*

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

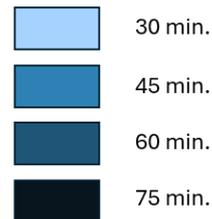
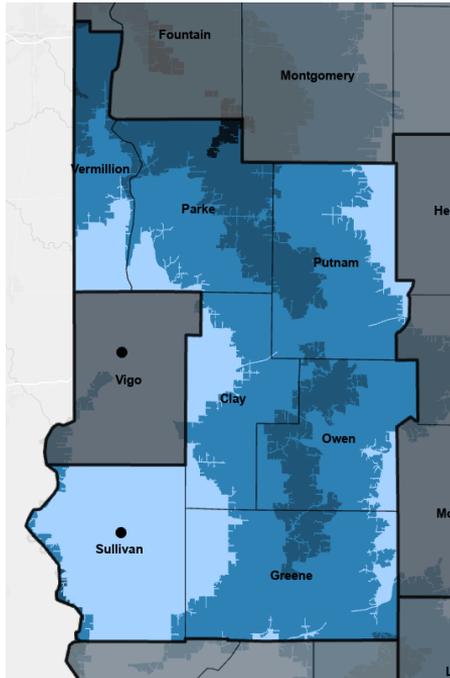
Drive-time to emergency departments



Key takeaways: Parts of all counties in these region exhibit drive-times of 30-45 minutes to the nearest Indiana emergency care facility.

Geospatial Analysis

Drive-time to birthing hospitals



Key takeaways: Vermillion, Parke, Putnam, Clay, Owen and Greene counties exhibit drive-times of 60 minutes to the nearest Indiana birthing hospital. Northeast Parke county contains **the highest drive-time in this region, at 75 minutes.**



INDIANA
RURAL HEALTH TRANSFORMATION

REGION 6



Indiana
Department
of
Health

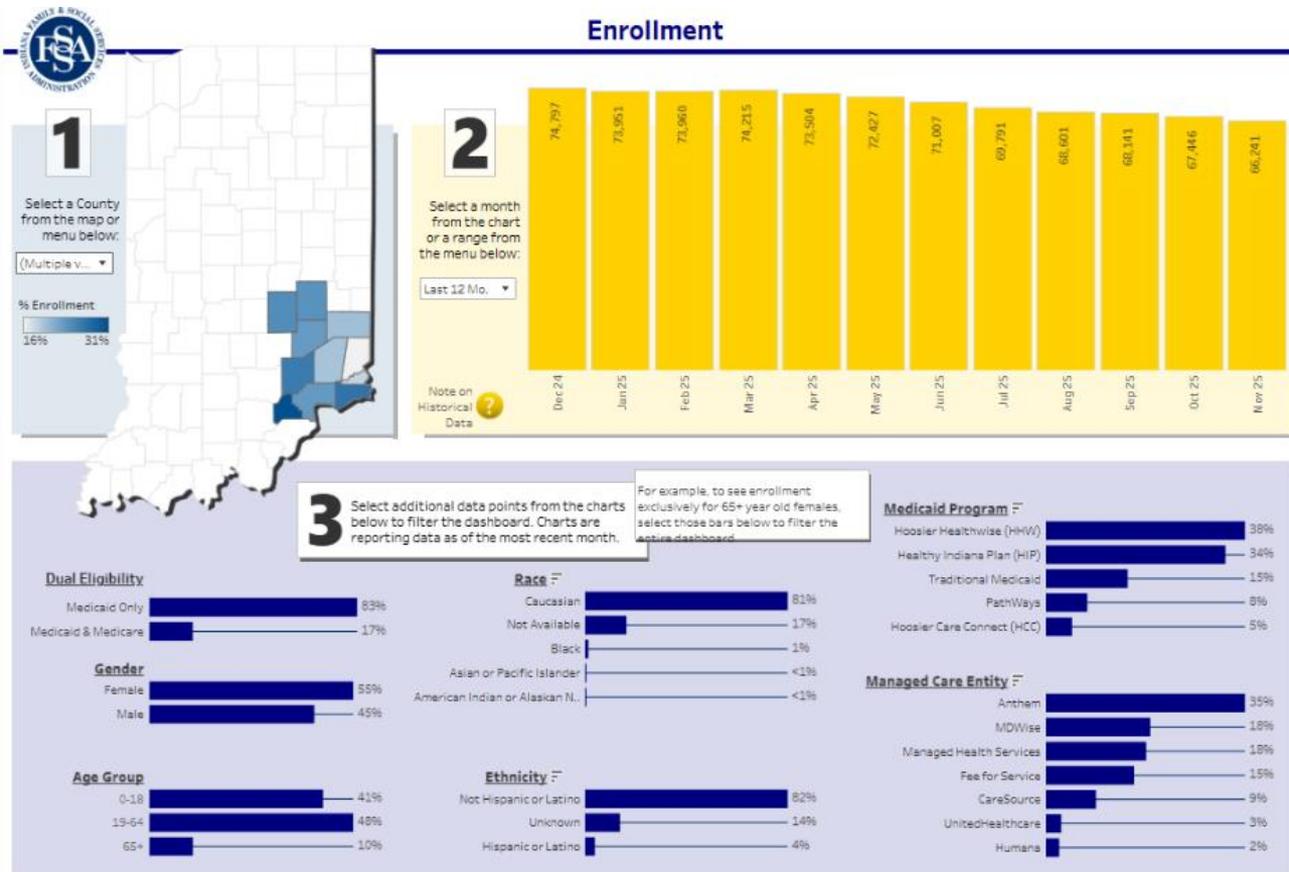
Region 6

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

- Shelby*
- Rush
- Decatur
- Franklin
- Jennings
- Ripley
- Dearborn
- Scott
- Jefferson
- Switzerland
- Ohio



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
DEARBORN	37.8%	37.6%	37.5%
DECATUR	35.9%	36.7%	35.1%
FRANKLIN	35.1%	34.4%	37.7%
JEFFERSON	35.3%	39.2%	38.4%
JENNINGS	41.7%	38.2%	41.8%
OHIO	36.0%	36.7%	38.1%
RIPLEY	39.7%	38.6%	37.4%
RUSH	40.9%	39.1%	41.5%
SCOTT	38.0%	38.1%	39.5%
SHELBY (PR)	38.7%	40.0%	39.7%
SWITZERLAND	41.3%	41.4%	39.5%
Regional Average	38.1%	38.2%	38.6%
Statewide Rate	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: Rates are increasing for this region but not for the state. Jefferson saw an increase in 2020-2021. Jennings saw a drop in 2020-2021. Franklin and Jennings saw increases 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
DEARBORN	0.4%
DECATUR	0.6%
FRANKLIN	0.2%
JEFFERSON	0.6%
JENNINGS	0.4%
OHIO	0.3%*
RIPLEY	0.6%
RUSH	0.5%
SCOTT	0.3%
SHELBY (PR)	0.7%
SWITZERLAND	0.4%
Regional Rate	0.5%
Statewide Rate	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. * = Unstable (count is less than 20).*

Key takeaways: Rates are low for Franklin and Scott compared to the region. Rates are high for Shelby 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
DEARBORN	10.6%
DECATUR	15.6%
FRANKLIN	4.7%
JEFFERSON	8.1%
JENNINGS	10.1%
OHIO	11.6%
RIPLEY	9.7%
RUSH	14.1%
SCOTT	8.6%
SHELBY (PR)	15.6%
SWITZERLAND	10.0%
Regional Rate	11.2%
Statewide Rate	11.2%

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 Franklin and Jefferson compared to the region. Rates are high for Decatur and Shelby 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
DEARBORN	24.9*	30.2*	52.4	18.1*	42.8
DECATUR	27.2*	14.3*	70.0*	28.5*	25.8*
FRANKLIN	19.5*	30.1*	39.4*	48.9*	24.8*
JEFFERSON	41.2*	41.6*	88.6	46.7*	42.7*
JENNINGS	41.1*	38.1*	38.2*	24.2*	13.4*
OHIO	11.2*	27.6*	14.6*	27.0*	24.4*
RIPLEY	32.5*	53.2*	41.3*	35.9*	35.0*
RUSH	54.5*	26.1*	16.8*	46.6*	21.6*
SCOTT	80.9	25.3*	40.8*	52.0*	63.3*
SHELBY (PR)	33.1*	20.9*	42.9*	34.9*	33.0*
SWITZERLAND	13.9*	55.6*	65.8*	71.1*	40.1*
Regional Rate	35.9	31.8	50.3	36.3	34.7
Statewide Rate	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
DEARBORN	168.3	158.6	182.1	171.1	214.4
DECATUR	453.0	474.9	566.1	577.6	575.9
FRANKLIN	135.5	239.2	335.9	182.8	243.3
JEFFERSON	301.9	478.8	536.8	468.7	377.0
JENNINGS	636.4	538.1	444.5	541.7	478.7
OHIO	99.7*	201.0*	113.7*	168.1*	159.3*
RIPLEY	321.2	287.9	265.2	245.2	265.2
RUSH	409.6	554.6	381.8	642.2	450.2
SCOTT	633.7	584.3	700.6	711.6	624.7
SHELBY (PR)	419.1	472.1	477.0	474.1	505.4
SWITZERLAND	242.0*	202.1*	210.8*	273.4	322.8
Regional Rate	358.1	388.8	404.4	408.5	136.6
Statewide Rate	344.1	364.1	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 Dearborn and Franklin compared to the region. Rates are high for Decatur, Jennings, Rush, Scott, and Shelby compared to the region. Jefferson and Rush saw increases in 2020-2021. Rush saw a drop in 2021-2022. Rush saw an increase in 2022-2023. Franklin saw a drop in 2022-2023. Rush 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
DEARBORN	37.6%
DECATUR	46.6%
FRANKLIN	22.9%
JEFFERSON	40.6%
JENNINGS	32.6%
OHIO	47.0%
RIPLEY	32.7%
RUSH	43.6%
SCOTT	26.2%
SHELBY (PR)	55.5%
SWITZERLAND	46.7%
Regional Rate	40.2%
Statewide Rate	47.5%
<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 Franklin and Scott compared to the region. Rates are high for Shelby 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
DEARBORN	18.2*	26.5*	16.9*	8.4*	12.0*
DECATUR	18.5*	21.8*	30.6*	34.2*	28.6*
FRANKLIN	25.5*	37.5*	50.8*	56.8*	8.9*
JEFFERSON	58.8*	45.6*	70.9	59.7*	44.2*
JENNINGS	23.2*	14.4*	28.1*	18.3*	33.0*
OHIO	0.0*	13.5*	64.1*	12.9*	40.5*
RIPLEY	38.2*	43.0*	60.4*	24.0*	27.5*
RUSH	13.3*	0.0*	21.2*	55.7*	34.0*
SCOTT	58.0*	63.4*	52.7*	75.9*	61.2*
SHELBY (PR)	22.3*	23.3*	19.6*	24.1*	46.3
SWITZERLAND	54.3*	39.9*	22.1*	25.0*	42.4*
Regional Rate	29.8	30.9	37.3	32.8	32.0
Statewide Rate	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
DEARBORN	253.2	278.7	273.9	301.6	448.9
DECATUR	702.0	576.9	669.4	719.6	742.7
FRANKLIN	227.2	396.7	478.8	574.5	433.0
JEFFERSON	499.0	455.7	496.3	490.7	540.4
JENNINGS	863.6	872.5	779.1	728.6	692.8
OHIO	246.8*	189.5*	244.5*	426.1	501.6
RIPLEY	381.8	306.0	380.1	353.2	277.4
RUSH	592.0	506.5	549.0	777.7	660.9
SCOTT	487.9	516.9	588.8	687.8	804.3
SHELBY (PR)	342.0	429.9	381.6	407.2	302.4
SWITZERLAND	247.8	413.7	268.1	243.8	288.4
Regional Rate	440.3	449.8	466.2	500.8	504.5
Statewide Rate	528.5	590.1	634.8	704.1	654.9

*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 Dearborn, Ripley, and Switzerland compared to the region. Rates are high for Decatur and Jennings compared to the region. Rates are increasing for this region but not for the state. Franklin and Switzerland saw increases in 2020-2021. Rush saw an increase 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
DEARBORN	218.5	239.5	203.1	154.3	178.2
DECATUR	256.0	270.9	281.2	257.3	251.6
FRANKLIN	220.2	185.7	245.0	158.4	136.4
JEFFERSON	295.9	205.8	221.9	241.9	272.4
JENNINGS	281.2	205.4	279.2	264.9	265.6
OHIO	171.1*	284.0	222.5*	159.2*	364.4
RIPLEY	307.0	306.9	261.4	228.6	312.7
RUSH	263.0	220.8	161.9	227.7	226.2
SCOTT	333.8	429.1	435.5	329.0	447.4
SHELBY (PR)	253.9	184.3	192.7	147.9	220.1
SWITZERLAND	333.8	302.4	363.3	154.6*	272.1
Regional Rate	264.6	247.2	247.6	206.8	250.2
Statewide Rate	257.9	257.2	248.7	244.8	239.9

*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: Rates are high for Scott compared to the region. Scott saw an increase in 2020-2021. Jefferson saw a drop in 2020-2021. Scott saw a drop in 2022-2023. Scott 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
DEARBORN	413.1	380.4	383.7	402.8	406.3
DECATUR	1,081.9	1,105.3	1,271.7	1,411.1	1,226.8
FRANKLIN	358.9	920.4	957.3	999.1	788.4
JEFFERSON	824.5	860.4	839.2	865.0	1,183.8
JENNINGS	1,208.0	1,191.7	1,094.7	1,247.4	1,215.8
OHIO	321.2*	511.1	343.1	447.4	495.1
RIPLEY	1,010.0	727.7	765.8	704.2	736.7
RUSH	923.5	1,294.7	1,097.6	1,367.8	1,221.1
SCOTT	1,186.8	1,349.9	1,340.0	1,230.3	1,226.4
SHELBY (PR)	836.0	856.6	828.3	867.5	831.0
SWITZERLAND	510.4	411.6	430.1	432.5	577.2
Regional Rate	805.7	859.4	847.8	894.2	887.5
Statewide Rate	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. * = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: Rates are low for Dearborn and Switzerland compared to the region. Rates are high for Decatur, Jennings, Rush, and Scott compared to the region. Franklin and Rush saw increases in 2020-2021. Ripley saw a drop in 2020-2021. Rush saw an increase in 2022-2023. Jefferson saw an increase in 2023-2024. Franklin saw a drop in 2023-2024.

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
DEARBORN	41.2*	57.7	26.1*	34.4*	25.6*
DECATUR	89.8	65.9*	52.3*	73.1*	47.1*
FRANKLIN	39.7*	57.6*	54.0*	16.5*	37.2*
JEFFERSON	54.2*	58.2*	31.8*	61.5*	55.4*
JENNINGS	94.9	68.0*	67.7*	46.1*	35.3*
OHIO	43.1*	59.6*	10.6*	51.4*	24.5*
RIPLEY	40.9*	77.6	73.3	48.2*	28.2*
RUSH	65.0*	48.4*	37.7*	68.2*	49.2*
SCOTT	64.4*	51.0*	43.1*	56.7*	42.4*
SHELBY (PR)	79.3	57.9	36.7*	34.4*	49.3
SWITZERLAND	38.4*	21.5*	70.1*	41.1*	31.5*
Regional Rate	59.8	58.8	44.7	46.6	39.1
Statewide Rate	57.0	59.0	56.1	56.0	55.7

*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). Rates are age-adjusted.*

Key takeaways: Rates are decreasing for this region but not for the state.



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
DEARBORN	112.1	50.0	50.8	45.0	68.8
DECATUR	166.0	168.7	224.0	236.6	221.3
FRANKLIN	56.6*	171.0	134.2	101.5	183.4
JEFFERSON	148.7	139.4	130.2	158.5	201.1
JENNINGS	205.0	207.6	164.7	136.7	201.6
OHIO	95.2*	(S)	75.6*	(S)	(S)
RIPLEY	208.6	163.0	144.7	129.2	161.7
RUSH	100.6*	109.1*	162.7	173.8	137.6
SCOTT	145.0	194.2	123.6	109.3	116.0
SHELBY (PR)	95.9	107.2	104.7	104.8	89.3
SWITZERLAND	163.6*	72.9*	(S)	61.5*	(S)
Regional Rate	134.6	131.0	122.0	118.1	136.6
Statewide Rate	88.3	94.0	100.0	103.9	106.6

*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). Rates are age-adjusted.*

Key takeaways: Rates are low for Dearborn compared to the region. Rates are high for Decatur and Jennings compared to the region. Dearborn saw a drop in 2020-2021. Decatur saw an increase in 2021-2022. Scott saw a drop in 2021-2022. Franklin and Jennings saw increases 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
DEARBORN	24.1%
DECATUR	15.6%
FRANKLIN	15.6%
JEFFERSON	24.8%
JENNINGS	29.1%
OHIO	24.8%
RIPLEY	12.6%
RUSH	26.2%
SCOTT	29.1%
SHELBY (PR)	24.6%
SWITZERLAND	24.8%
Regional Rate	23.0%
Statewide Rate	17.9%

Data Source: BRFSS. Source is same for state and county. PR = partially rural. Counties with insufficient data are grouped with nearby ones.

Key takeaways: Rates are low for Decatur, Franklin, and Ripley 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
DEARBORN	12.2%	7.5%	8.0%	5.3%
DECATUR	17.9%	14.7%	11.5%	9.4%
FRANKLIN	13.2%	8.8%	5.7%*	7.9%*
JEFFERSON	18.0%	16.4%	13.0%	9.4%
JENNINGS	21.9%	19.1%	9.5%	8.8%
OHIO	14.0%*	18.4%*	9.5%*	5.4%*
RIPLEY	13.9%	11.6%	8.8%	6.3%
RUSH	14.4%	11.3%*	11.9%	6.2%*
SCOTT	18.3%	17.8%	10.2%	7.4%
SHELBY (PR)	15.6%	12.1%	7.6%	5.8%
SWITZERLAND	14.1%*	14.9%*	17.8%	9.1%*
Regional Rate	15.8%	13.0%	9.7%	7.3%
Statewide Rate	9.0%	6.6%	5.3%	3.8%

*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 Dearborn compared to the region. Rates for this region are high for Indiana. Rates are decreasing both for this region and for the state. Jennings and Scott saw drops 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
DEARBORN	5.1*	3.9*	3.0*	3.8*	4.2*
DECATUR	7.4*	7.7*	7.8*	8.5*	6.4*
FRANKLIN	(S)	(S)	(S)	(S)	(S)
JEFFERSON	7.0*	7.1*	7.4*	4.0*	5.2*
JENNINGS	7.3*	7.3*	8.0*	5.5*	5.9*
OHIO	(S)	(S)	(S)	(S)	(S)
RIPLEY	8.2*	7.2*	4.5*	5.2*	5.9*
RUSH	5.1*	6.1*	5.2*	(S)	(S)
SCOTT	6.4*	7.9*	5.2*	5.9*	5.9*
SHELBY (PR)	8.3	8.3	6.3*	3.8*	2.9*
SWITZERLAND	8.4*	11.6*	11.6*	10.1*	10.0*
Regional Rate	6.7	6.6	5.7	4.9	5.0
Statewide Rate	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
DEARBORN	5.7%	7.8%	6.0%	8.2%	8.6%
DECATUR	4.9%*	7.0%	6.7%	6.2%	6.0%*
FRANKLIN	8.0%*	7.1%*	5.7%*	7.1%*	7.9%*
JEFFERSON	6.2%	9.6%	10.0%	7.5%	8.0%
JENNINGS	5.9%	6.0%*	10.3%	11.5%	9.0%
OHIO	(S)	(S)	(S)	(S)	(S)
RIPLEY	5.7%	3.9%*	5.5%*	6.2%	6.3%
RUSH	6.3%*	5.9%*	9.5%*	9.3%*	10.3%*
SCOTT	8.9%	8.2%	9.3%	8.7%	7.4%
SHELBY (PR)	7.9%	7.2%	7.0%	9.0%	9.1%
SWITZERLAND	9.8%*	6.2%*	(S)	11.0%*	7.4%*
Regional Rate	6.7%	7.0%	7.4%	8.3%	7.9%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

*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: Jefferson saw an increase in 2020-2021. Jefferson saw a drop in 2022-2023. Jennings saw a drop in 2023-2024.

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
DEARBORN	8.6%	11.0%	9.9%	12.6%	9.2%
DECATUR	8.5%	9.0%	9.6%	11.8%	11.0%
FRANKLIN	11.0%	9.4%	7.3%*	15.2%	12.3%
JEFFERSON	9.9%	11.6%	10.0%	10.4%	10.7%
JENNINGS	10.8%	10.3%	13.9%	17.3%	13.0%
OHIO	11.3%*	14.0%*	15.8%*	11.9%*	12.5%*
RIPLEY	9.3%	5.8%*	8.5%	10.5%	8.6%
RUSH	9.5%*	8.9%*	13.1%	12.9%	15.9%
SCOTT	12.1%	9.3%	13.1%	12.6%	14.5%
SHELBY (PR)	9.9%	8.2%	8.5%	13.9%	11.8%
SWITZERLAND	9.0%*	7.8%*	7.0%*	14.4%*	12.4%*
Regional Rate	9.8%	9.3%	10.1%	13.0%	11.5%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

*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: Shelby saw an increase in 2022-2023. Jennings saw a drop in 2023-2024.

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
DEARBORN	24.0%	22.8%	24.6%	18.0%	18.6%
DECATUR	22.3%	23.9%	29.0%	24.5%	28.5%
FRANKLIN	30.8%	25.6%	32.4%	17.5%	23.8%
JEFFERSON	23.2%	19.1%	20.6%	24.8%	23.7%
JENNINGS	28.6%	26.5%	19.7%	18.2%	25.1%
OHIO	24.5%*	18.0%*	26.3%*	21.4%*	21.4%*
RIPLEY	29.2%	33.6%	28.0%	20.1%	27.7%
RUSH	20.0%	15.8%	25.0%	18.6%	22.8%
SCOTT	23.6%	20.8%	21.6%	23.6%	20.2%
SHELBY (PR)	23.5%	19.3%	18.9%	16.6%	25.6%
SWITZERLAND	32.0%	36.7%	31.6%	31.4%	38.0%
Regional Rate	25.3%	23.6%	24.3%	20.4%	24.4%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

*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 Switzerland compared to the region. Rush saw an increase in 2021-2022. Franklin saw a drop in 2022-2023. Shelby 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
DEARBORN	71.1*	10.0*	9.7*
DECATUR	64.2*	20.7*	40.3*
FRANKLIN	21.9*	21.1*	0.0*
JEFFERSON	93.3*	45.6*	88.9*
JENNINGS	42.4*	62.0*	0.0*
OHIO	0.0*	0.0*	66.4*
RIPLEY	0.0*	36.4*	0.0*
RUSH	61.2*	30.0*	58.8*
SCOTT	47.5*	0.0*	23.0*
SHELBY (PR)	71.2*	45.6*	0.0*
SWITZERLAND	0.0*	50.4*	50.9*
Regional Rate	52.7	30.2*	24.1*
Statewide Rate	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: 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
DEARBORN	4,355.3	4,807.4	5,685.6
DECATUR	8,429.6	8,819.9	9,756.1
FRANKLIN	6,936.5	6,732.8	6,702.0
JEFFERSON	6,497.7	7,160.2	8,296.3
JENNINGS	6,680.8	5,810.6	7,481.1
OHIO	4,688.6	5,045.6	5,706.7
RIPLEY	5,721.5	5,402.0	5,229.9
RUSH	7,777.1	8,468.5	7,990.6
SCOTT	7,380.2	7,871.8	7,159.3
SHELBY (PR)	7,088.6	6,770.0	7,375.2
SWITZERLAND	3,424.7	4,387.3	3,820.7
Regional Rate	6,333.4	6,477.9	6,982.5
Statewide Rate	6,032.1	6,410.5	6,666.6

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 Switzerland compared to the region. Rates are high for Decatur compared to the region. Rates are increasing both for this region and for the state. Jennings 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
DEARBORN	771.6	975.4	870.2
DECATUR	984.2	1,262.9	886.9
FRANKLIN	525.2	548.8	570.4
JEFFERSON	715.1	988.1	948.1
JENNINGS	827.1	579.0	776.0
OHIO	769.8*	770.8*	1,393.5
RIPLEY	651.8	709.3	544.1
RUSH	826.7	870.9	940.1
SCOTT	735.6	801.3	644.6
SHELBY (PR)	843.0	843.4	868.3
SWITZERLAND	526.9*	1,059.0	713.2*
Regional Rate	758.3	863.5	810.3
Statewide Rate	1,103.9	1,132.9	1,187.9
<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: Rates are low for Franklin compared to the region. Rates for this region are low for Indiana. Decatur and Jefferson saw increases in 2022-2023. Decatur saw a drop 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
DEARBORN	9.8*	7.8*	9.7*
DECATUR	26.5*	18.9*	18.9*
FRANKLIN	8.7*	39.0*	8.6*
JEFFERSON	21.2*	21.2*	9.1*
JENNINGS	21.8*	18.1*	39.8*
OHIO	16.4*	0.0*	0.0*
RIPLEY	10.3*	10.3*	13.7*
RUSH	12.0*	23.7*	29.8*
SCOTT	36.6*	16.2*	24.2*
SHELBY (PR)	24.4*	19.9*	26.3*
SWITZERLAND	30.0*	39.9*	0.0*
Regional Rate	19.1	18.4	18.0
Statewide Rate	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
DEARBORN	447.8	439.3	511.3
DECATUR	707.9	659.1	745.6
FRANKLIN	542.8	519.6	644.0
JEFFERSON	652.6	841.0	914.3
JENNINGS	897.0	944.9	1,002.4
OHIO	703.3	666.2	400.3
RIPLEY	460.7	509.8	599.0
RUSH	1,013.6	783.5	883.1
SCOTT	894.7	977.4	1,143.4
SHELBY (PR)	760.2	787.1	838.9
SWITZERLAND	439.7	549.0	350.4
Regional Rate	668.3	692.3	760.4
Statewide Rate	762.0	836.2	862.3

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 Dearborn, Ripley, and Switzerland compared to the region. Rates are high for Jennings and Scott compared to the region. Rates are increasing both for this region and for the state. Rush saw a drop in 2022-2023. Ohio and Switzerland saw drops 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
DEARBORN	11.7*	(S)	(S)
DECATUR	34.1*	60.6*	22.7*
FRANKLIN	(S)	21.6*	(S)
JEFFERSON	(S)	(S)	15.2*
JENNINGS	79.9	76.0	57.9*
OHIO	(S)	(S)	(S)
RIPLEY	(S)	17.1*	(S)
RUSH	66.0*	59.4*	53.7*
SCOTT	(S)	(S)	(S)
SHELBY (PR)	37.8*	37.6*	32.9*
SWITZERLAND	(S)	(S)	(S)
Regional Rate	26.0	29.0	20.1
Statewide Rate	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: Rates for this region are low for Indiana.

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
DEARBORN	33.2*	7.8*	23.3*
DECATUR	37.9*	22.7*	30.3*
FRANKLIN	13.0*	34.6*	34.6*
JEFFERSON	18.2*	36.3*	15.2*
JENNINGS	25.4*	29.0*	7.2*
OHIO	16.4*	0.0*	0.0*
RIPLEY	13.8*	10.3*	34.2*
RUSH	36.0*	17.8*	59.7*
SCOTT	20.3*	16.2*	16.2*
SHELBY (PR)	40.0*	13.3*	19.7*
SWITZERLAND	30.0*	39.9*	10.0*
Regional Rate	27.3	19.8	23.5
Statewide Rate	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
DEARBORN	146.7	105.4	124.4
DECATUR	473.2	526.5	382.3
FRANKLIN	251.9	251.1	268.0
JEFFERSON	312.6	314.6	303.8
JENNINGS	352.3	394.6	401.7
OHIO	163.6*	99.9*	150.1*
RIPLEY	237.2	198.4	184.8
RUSH	347.9	350.2	304.3
SCOTT	276.6	332.6	331.3
SHELBY (PR)	346.7	283.0	308.8
SWITZERLAND	189.9*	129.8*	130.2*
Regional Rate	286.5	276.1	268.1
Statewide Rate	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 low for Dearborn and Ripley compared to the region. Rates are high for Decatur and Jennings compared to the region. Rates are decreasing for this region but increasing for the state. Decatur saw a drop in 2023-2024.



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
DEARBORN	(S)	11.7*	(S)
DECATUR	60.6*	75.8	56.8*
FRANKLIN	(S)	26.0*	(S)
JEFFERSON	15.2*	(S)	15.2*
JENNINGS	87.2	43.4*	65.1*
OHIO	(S)	(S)	(S)
RIPLEY	(S)	(S)	(S)
RUSH	84.0*	71.2*	71.6*
SCOTT	(S)	20.3*	(S)
SHELBY (PR)	106.7	55.3	50.4
SWITZERLAND	(S)	(S)	(S)
Regional Rate	39.7	30.7	27.9
Statewide Rate	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: Rates are high for Shelby compared to the region. Rates for this region are low for Indiana. Rates are decreasing for this region but increasing for the state.

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
DEARBORN	37.2*	21.5*	19.4*
DECATUR	34.1*	18.9*	18.9*
FRANKLIN	13.0*	30.3*	17.3*
JEFFERSON	27.3*	33.3*	36.5*
JENNINGS	69.0*	61.5*	32.6*
OHIO	32.7*	66.6*	0.0*
RIPLEY	30.9*	10.3*	3.4*
RUSH	6.0*	5.9*	17.9*
SCOTT	56.9*	64.9*	52.5*
SHELBY (PR)	46.7	31.0*	30.7*
SWITZERLAND	50.0*	20.0*	10.0*
Regional Rate	37.9	31.0	24.5
Statewide Rate	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 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
DEARBORN	177.9	162.1	143.9
DECATUR	234.7	219.7	151.4
FRANKLIN	191.1	203.5	168.6
JEFFERSON	215.5	248.1	240.0
JENNINGS	297.8	293.2	285.9
OHIO	98.1*	149.9*	83.4*
RIPLEY	144.4	112.9	106.1
RUSH	269.9	290.9	185.0
SCOTT	378.2	312.3	242.4
SHELBY (PR)	297.8	278.6	234.4
SWITZERLAND	89.9*	159.7*	120.1*
Regional Rate	232.1	225.3	189.5
Statewide Rate	244.9	223.0	188.4

*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 Dearborn and Ripley compared to the region. Rates are high for Jennings and Scott compared to the region. Rates are decreasing both for this region and for the state. Scott saw a drop in 2022-2023. Decatur, Rush, and Scott 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
DEARBORN	72.4	56.6	29.2*
DECATUR	102.2	117.4	68.1*
FRANKLIN	21.7*	26.0*	(S)
JEFFERSON	54.6*	60.5	63.8
JENNINGS	83.5	36.2*	57.9*
OHIO	(S)	(S)	(S)
RIPLEY	(S)	17.1*	(S)
RUSH	120.0	35.6*	59.7*
SCOTT	85.4	60.8*	56.6*
SHELBY (PR)	84.5	112.8	63.5
SWITZERLAND	(S)	59.9*	70.1*
Regional Rate	68.4	62.4	44.9
Statewide Rate	82.3	78.6	73.1

*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: Rates are high for Shelby compared to the region. Rates are decreasing both for this region and for the state. Shelby saw a drop in 2023-2024.



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
DEARBORN	25.4*	11.7*	15.6*
DECATUR	15.1*	11.4*	15.1*
FRANKLIN	8.7*	21.6*	13.0*
JEFFERSON	18.2*	12.1*	21.3*
JENNINGS	50.8*	50.7*	18.1*
OHIO	32.7*	33.3*	0.0*
RIPLEY	17.2*	6.8*	3.4*
RUSH	0.0*	5.9*	6.0*
SCOTT	48.8*	44.6*	36.4*
SHELBY (PR)	33.3*	15.5*	17.5*
SWITZERLAND	50.0*	0.0*	10.0*
Regional Rate	26.7	18.7	16.0
Statewide Rate	30.2	23.4	16.6

*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 Opioid Overdoses

Table 32. Opioid Overdoses, ED Visit Rates per 100,000 by County, 2022-2024

County	2022	2023	2024
DEARBORN	35.2*	9.8*	19.4*
DECATUR	68.1*	64.4*	37.8*
FRANKLIN	43.4*	34.6*	30.3*
JEFFERSON	51.6*	66.6	45.6*
JENNINGS	83.5	83.3	39.8*
OHIO	(S)	(S)	(S)
RIPLEY	48.1*	27.4*	27.4*
RUSH	78.0*	71.2*	(S)
SCOTT	134.2	158.2	97.0
SHELBY (PR)	93.4	73.0	67.9
SWITZERLAND	(S)	(S)	(S)
Regional Rate	65.6	58.6	41.5
Statewide Rate	98.5	77.3	54.7

*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 high for Scott and Shelby compared to the region. Rates for this region are low for Indiana. Rates are decreasing both for this region and for the state. Scott 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
DEARBORN	23.5*	(S)	(S)
DECATUR	26.5*	49.2*	(S)
FRANKLIN	(S)	(S)	(S)
JEFFERSON	(S)	(S)	27.3*
JENNINGS	(S)	(S)	(S)
OHIO	(S)	(S)	(S)
RIPLEY	(S)	(S)	(S)
RUSH	36.0*	(S)	(S)
SCOTT	(S)	20.3*	20.2*
SHELBY (PR)	15.6*	22.1*	13.1*
SWITZERLAND	(S)	(S)	(S)
Regional Rate	15.7	14.7	11.6
Statewide Rate	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: Rates for this region are low for Indiana. Rates are decreasing for this region but not for the state.

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
DEARBORN	13	6	8
DECATUR	4	3	4
FRANKLIN	2	5	3
JEFFERSON	6	4	7
JENNINGS	14	14	5
OHIO	2	2	0
RIPLEY	5	2	1
RUSH	0	1	1
SCOTT	12	11	9
SHELBY (PR)	15	7	8
SWITZERLAND	5	0	1
Regional Total	78	55	47
Statewide Total	2,064	1,608	1,149

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. Dearborn and Shelby saw drops in 2022-2023. Jennings saw a drop 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
DEARBORN	0	0	0
DECATUR	0	0	0
FRANKLIN	1	0	0
JEFFERSON	0	0	0
JENNINGS	0	0	0
OHIO	0	0	0
RIPLEY	0	0	0
RUSH	0	0	0
SCOTT	0	0	0
SHELBY (PR)	0	0	0
SWITZERLAND	0	0	0
Regional Total	1	0	0
Statewide Total	66	24	25

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

Key takeaways: Franklin 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
DEARBORN	3	2	1
DECATUR	0	0	0
FRANKLIN	0	0	0
JEFFERSON	0	1	1
JENNINGS	0	3	1
OHIO	1	0	0
RIPLEY	0	0	0
RUSH	0	1	0
SCOTT	1	0	2
SHELBY (PR)	1	2	1
SWITZERLAND	2	0	0
Regional Total	8	9	6
Statewide Total	212	187	142

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

Key takeaways: Jennings saw an increase in 2022-2023. Switzerland saw a drop in 2022-2023. Scott saw an increase in 2023-2024. Jennings saw a drop 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
DEARBORN	1	3	2
DECATUR	0	2	1
FRANKLIN	0	1	0
JEFFERSON	0	0	2
JENNINGS	1	0	0
OHIO	0	0	0
RIPLEY	1	1	0
RUSH	0	0	0
SCOTT	0	0	1
SHELBY (PR)	2	0	2
SWITZERLAND	0	0	0
Regional Total	5	7	8
Statewide Total	478	442	348

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

Key takeaways: Counts are increasing for this region but decreasing for the state. Dearborn and Decatur saw increases in 2022-2023. Shelby saw a drop in 2022-2023. Jefferson and Shelby saw increases 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
DEARBORN	6	1	3
DECATUR	4	2	2
FRANKLIN	1	0	1
JEFFERSON	7	5	5
JENNINGS	13	7	4
OHIO	1	0	0
RIPLEY	1	1	1
RUSH	1	0	1
SCOTT	4	10	4
SHELBY (PR)	10	9	6
SWITZERLAND	1	0	0
Regional Total	49	35	27
Statewide Total	948	763	618

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. Scott saw an increase in 2022-2023. Dearborn and Jennings saw drops in 2022-2023. Scott 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
DEARBORN	11	6	6
DECATUR	4	3	4
FRANKLIN	1	5	2
JEFFERSON	5	4	6
JENNINGS	10	13	3
OHIO	2	1	0
RIPLEY	5	2	1
RUSH	0	0	1
SCOTT	12	10	9
SHELBY (PR)	11	6	8
SWITZERLAND	4	0	1
Regional Total	65	50	41
Statewide Total	1,977	1,504	1,045

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. Dearborn and Shelby saw drops in 2022-2023. Jennings 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 4.0. Opioid Prescribing Rate per 1,000 by County, 2022-2024

County	2022	2023	2024
DEARBORN	858.4	809.1	719.8
DECATUR	876.4	834.4	755.0
FRANKLIN	580.2	517.5	453.0
JEFFERSON	1,021.3	988.8	924.9
JENNINGS	953.3	968.6	925.2
OHIO	956.8	927.2	802.4
RIPLEY	984.4	932.3	840.7
RUSH	905.4	848.8	807.3
SCOTT	1,416.0	1,430.6	1,338.4
SHELBY (PR)	747.0	767.1	722.8
SWITZERLAND	1,004.8	993.5	889.8
Regional Rate	917.4	892.7	821.3
Statewide Rate	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 Franklin compared to the region. Rates are high for Scott compared to the region. Rates are decreasing both for this region and for the state. Ohio 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
DEARBORN	19.6*	7.8*	13.6*
DECATUR	22.7*	15.2*	11.4*
FRANKLIN	21.7*	30.3*	21.6*
JEFFERSON	6.1*	15.1*	15.2*
JENNINGS	7.3*	14.5*	25.3*
OHIO	0.0*	33.3*	0.0*
RIPLEY	24.1*	6.8*	20.5*
RUSH	6.0*	5.9*	35.8*
SCOTT	20.3*	20.3*	4.0*
SHELBY (PR)	17.8*	17.7*	19.7*
SWITZERLAND	10.0*	0.0*	30.0*
Regional Rate	16.1	14.3	17.7
Statewide Rate	16.8	17.3	16.9

*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).*

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
DEARBORN	86.0	82.0	66.1
DECATUR	124.9	109.9	109.8
FRANKLIN	104.2	129.9	90.8
JEFFERSON	127.5	121.0	151.9
JENNINGS	167.1	170.2	231.6
OHIO	(S)	(S)	(S)
RIPLEY	58.4*	61.6*	95.8
RUSH	137.9	148.4	83.5*
SCOTT	126.1	113.6	101.0
SHELBY (PR)	213.4	185.7	135.8
SWITZERLAND	50.0*	59.9*	90.1*
Regional Rate	124.4	119.6	115.3
Statewide Rate	111.9	108.7	105.3

*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 Dearborn compared to the region. Rates are high for Jennings and Shelby compared to the region. Rates are decreasing both for this region and for the state. Jennings saw an increase in 2023-2024. Shelby saw a drop in 2023-2024.



Trauma & Injury Prevention

Hospitalizations From Self-Harm

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

County	2022	2023	2024
DEARBORN	21.5*	19.5*	15.6*
DECATUR	(S)	(S)	22.7*
FRANKLIN	(S)	(S)	(S)
JEFFERSON	24.3*	15.1*	21.3*
JENNINGS	32.7*	(S)	18.1*
OHIO	(S)	(S)	(S)
RIPLEY	(S)	(S)	(S)
RUSH	42.0*	(S)	(S)
SCOTT	32.5*	(S)	(S)
SHELBY (PR)	31.1*	42.0*	26.3*
SWITZERLAND	(S)	(S)	(S)
Regional Rate	22.6	17.4	15.3
Statewide Rate	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 for this region are low for Indiana. 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
DEARBORN	14,265	14,709	17,560	18,349	18,954
DECATUR	11,044	12,598	13,926	13,659	13,550
FRANKLIN	0*	0*	0*	0*	0*
JEFFERSON	15,483	16,280	13,875	16,391	17,113
JENNINGS	8,478	9,395	9,539	10,137	9,794
OHIO	0*	0*	0*	0*	0*
RIPLEY	15,164	18,732	19,795	18,769	17,675
RUSH	5,705	6,704	7,050	7,210	7,487
SCOTT	10,325	11,850	13,009	13,303	13,042
SHELBY (PR)	17,714	20,819	21,747	22,278	22,163
SWITZERLAND	0*	0*	0*	0*	0*
Regional Total	98,178	111,087	116,501	120,096	119,778
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

*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. Ripley and Shelby saw increases in 2020-2021. Dearborn saw an increase in 2021-2022. Jefferson saw a drop in 2021-2022. Jefferson 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
DEARBORN	76.6
DECATUR	74.5
FRANKLIN	76.2
JEFFERSON	75.0
JENNINGS	73.7
OHIO	77.8
RIPLEY	75.7
RUSH	75.4
SCOTT	69.5
SHELBY (PR)	75.6
SWITZERLAND	75.2
Regional Average	75.0
Statewide Average	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 46. Provider Ratios by County, 2015-2023

County	2015	2017	2019	2021	2023
DEARBORN	345	430	287	269	245
DECATUR	562	484	373	392	342
FRANKLIN	368	623	458	413	535
JEFFERSON	671	357	257	229	376
JENNINGS	1,272	1,296	1,129	762	810
OHIO	3,017	3,017	3,017	3,017	3,017
RIPLEY	951	1,724	357	363	337
RUSH	400	702	586	582	374
SCOTT	629	881	503	634	894
SHELBY (PR)	616	449	384	368	376
SWITZERLAND	nan	5,250	3,387	3,500	2,692
Regional Ratio	570	594	404	383	400
Statewide Ratio	361	316	209	205	215

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 Dearborn compared to the region. Values are high for Jennings, Ohio, and Scott compared to the region. Values for this region are high for Indiana. Ripley saw an increase in 2015-2017. Ripley and Switzerland saw drops in 2017-2019. Switzerland saw a drop in 2021-2023.

Geospatial Analysis

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

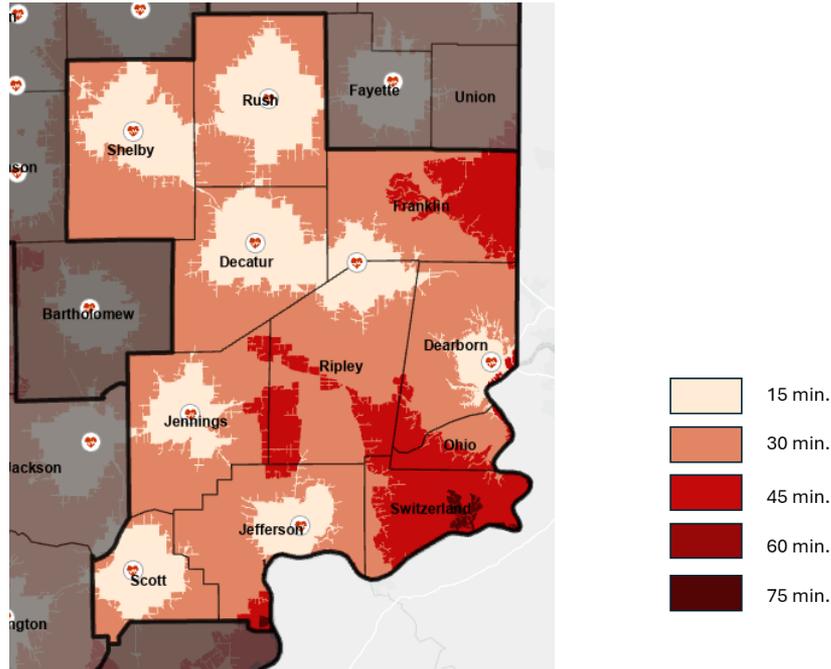
Metric: **Drive-time analysis of local emergency departments*** and
Drive-time analysis of local birthing hospitals*

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

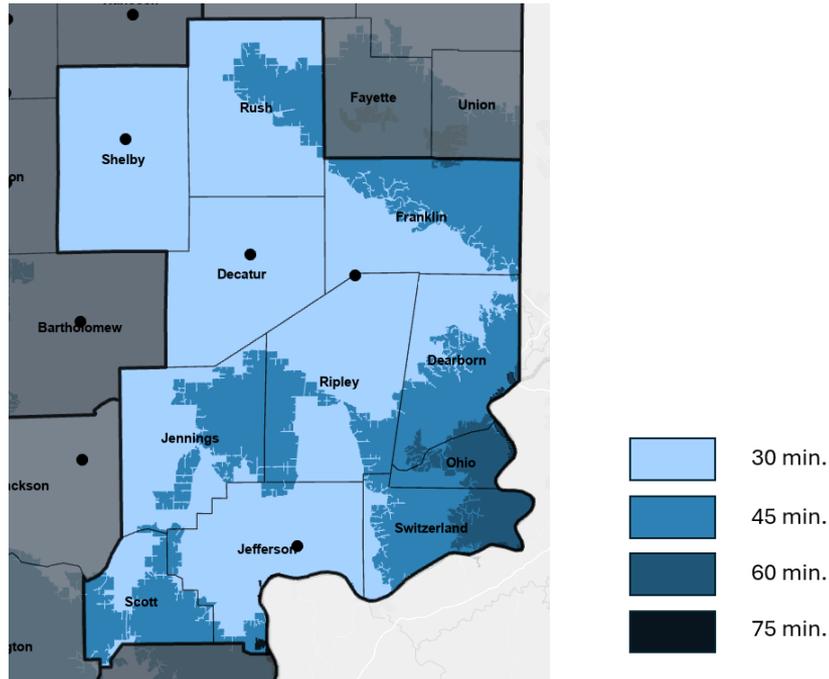
Drive-time to emergency departments



Key takeaways: Parts of Franklin, Ripley, Jennings, Jefferson, Dearborn, Ohio and Switzerland county exhibit drive-times of **45+ minutes to receive emergency care within Indiana**. Both Jefferson and Switzerland contain portions that are **75 minutes from the nearest Indiana emergency care facility**.

Geospatial Analysis

Drive-time to birthing hospitals



Key takeaways: The majority of this region exhibits drive-times of 30-45 minutes to the nearest Indiana birthing hospital. Nearly all of Ohio and portions of Franklin, Dearborn, Switzerland and Jefferson county **exhibit drive-times of 60+ minutes.**



INDIANA
RURAL HEALTH TRANSFORMATION

REGION 7



Indiana
Department
of
Health

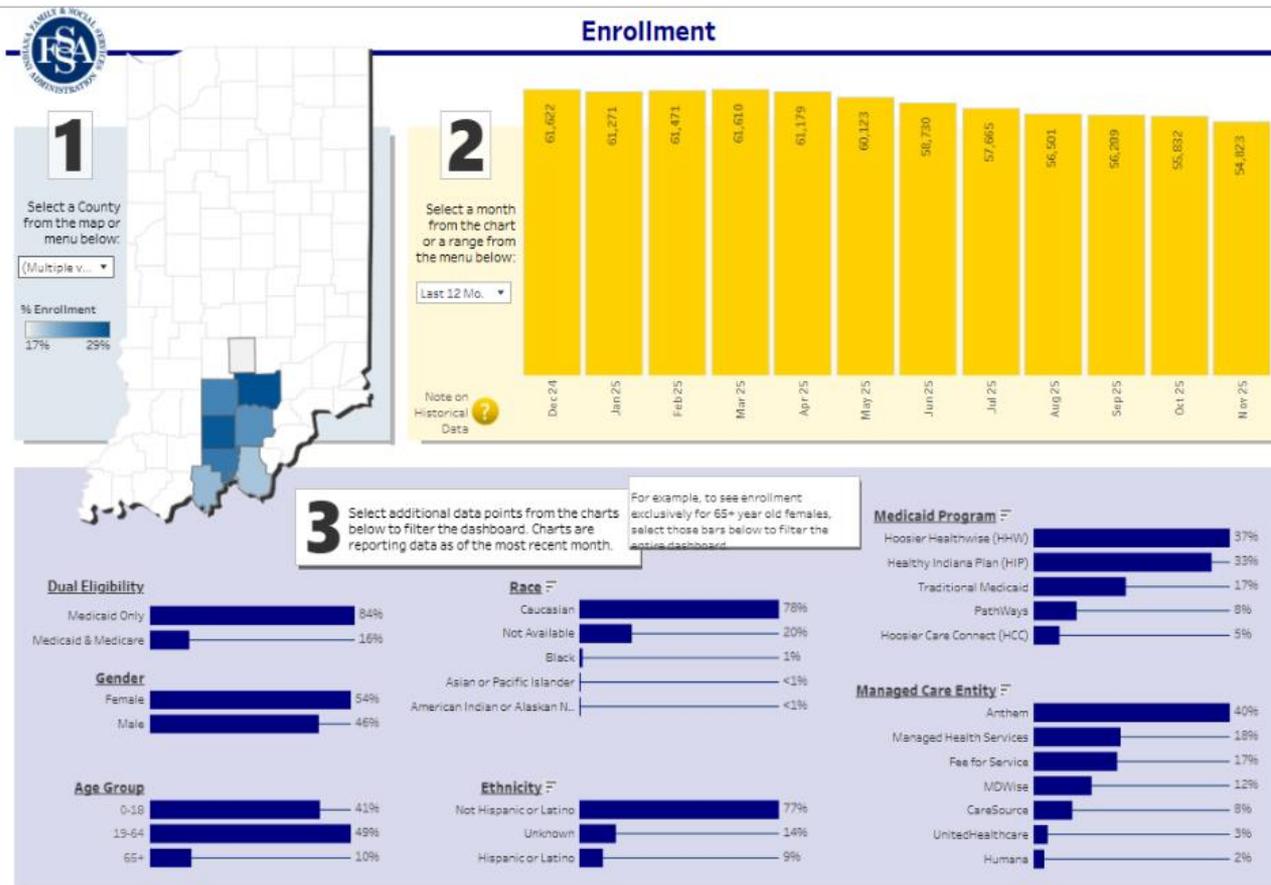
Region 7

This region includes the following **fully rural** designated counties:

- Brown
- Lawrence
- Jackson
- Orange
- Washington
- Crawford
- Perry
- Harrison



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
BROWN	36.5%	35.5%	36.9%
CRAWFORD	41.1%	42.7%	41.0%
HARRISON	38.8%	37.9%	36.5%
JACKSON	37.6%	40.8%	43.2%
LAWRENCE	38.3%	41.9%	39.8%
ORANGE	37.2%	37.8%	41.7%
PERRY	37.4%	39.6%	40.6%
WASHINGTON	38.9%	41.3%	41.7%
Regional Average	38.1%	39.9%	40.2%
Statewide Rate	37.0%	36.0%	38.0%

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

Key takeaways: Rates are increasing for this region but not for the state. Orange 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
BROWN	0.3%
CRAWFORD	0.4%
HARRISON	0.3%
JACKSON	0.3%
LAWRENCE	0.9%
ORANGE	0.7%
PERRY	0.6%
WASHINGTON	0.4%
Regional Rate	0.5%
Statewide Rate	0.5%
<i>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.</i>	

Key takeaways: Rates are low for Brown, Harrison, and Jackson compared to the region. Rates are high for Lawrence and Orange 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
BROWN	6.8%
CRAWFORD	9.8%
HARRISON	7.0%
JACKSON	9.6%
LAWRENCE	20.5%
ORANGE	15.7%
PERRY	6.0%
WASHINGTON	8.5%
Regional Rate	11.7%
Statewide Rate	11.2%
<i>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.</i>	

Key takeaways: Rates are low for Brown, Harrison, Perry, and Washington compared to the region. Rates are high for Lawrence and Orange 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
BROWN	42.1*	14.3*	6.2*	14.0*	10.9*
CRAWFORD	9.8*	42.4*	61.0*	17.6*	27.9*
HARRISON	50.8*	55.5*	32.6*	14.9*	15.0*
JACKSON	29.8*	28.0*	19.3*	29.9*	29.0*
LAWRENCE	66.0	65.0	47.1	33.9*	29.2*
ORANGE	55.0*	76.5*	101.3	85.6*	50.0*
PERRY	78.5*	106.0	45.0*	89.9*	78.1*
WASHINGTON	22.7*	36.9*	42.3*	26.9*	46.5*
Regional Rate	46.2	52.1	40.2	35.4	33.6
Statewide Rate	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. * = 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
BROWN	103.0*	249.6	207.5	251.7	193.5
CRAWFORD	372.8	293.8	341.1	463.6	431.6
HARRISON	326.1	284.4	293.7	390.1	728.4
JACKSON	449.2	518.8	508.5	416.0	473.8
LAWRENCE	599.2	655.7	563.4	579.2	702.6
ORANGE	523.4	734.8	688.8	704.6	775.9
PERRY	290.7	363.9	362.4	280.1	347.8
WASHINGTON	462.3	329.8	416.6	401.1	553.0
Regional Rate	426.0	457.2	443.9	446.1	162.8
Statewide Rate	344.1	364.1	365.3	401.7	406.9

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

Key takeaways: Rates are high for Lawrence and Orange compared to the region. Orange saw an increase in 2020-2021. Harrison saw an increase 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
BROWN	64.7%
CRAWFORD	36.6%
HARRISON	30.9%
JACKSON	24.2%
LAWRENCE	86.6%
ORANGE	77.2%
PERRY	28.3%
WASHINGTON	37.2%
Regional Rate	50.3%
Statewide Rate	47.5%
<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.</i>	

Key takeaways: Rates are low for Crawford, Harrison, Jackson, Perry, and Washington compared to the region. Rates are high for Lawrence and Orange 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
BROWN	14.3*	24.3*	26.9*	19.4*	39.2*
CRAWFORD	89.5*	75.2*	94.4*	86.5*	128.8*
HARRISON	48.7*	91.3	79.3	119.1	108.2
JACKSON	54.3	17.3*	34.2*	28.7*	33.8*
LAWRENCE	30.7*	37.7*	40.7	54.8	54.9
ORANGE	33.8*	37.6*	76.7*	68.7*	68.1*
PERRY	46.7*	45.9*	31.0*	68.8*	34.7*
WASHINGTON	32.9*	78.3*	85.2	78.5	92.4
Regional Rate	41.5	48.4	54.5	64.9	65.9
Statewide Rate	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. * = Unstable (count is less than 20). Rates are age-adjusted.*

Key takeaways: Rates are increasing for this region but not for the state. Harrison saw an increase in 2022-2023.



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
BROWN	235.4	569.2	502.9	624.8	494.5
CRAWFORD	506.6	457.2	468.4	605.7	569.0
HARRISON	431.5	326.3	502.0	561.0	481.8
JACKSON	502.8	617.6	488.9	553.0	489.3
LAWRENCE	1,312.5	1,696.6	1,726.1	2,002.1	1,524.0
ORANGE	1,630.7	2,143.6	2,112.5	1,914.3	1,528.4
PERRY	603.3	749.1	546.8	634.0	655.9
WASHINGTON	757.7	686.7	821.0	851.8	707.0
Regional Rate	777.0	927.6	932.4	1,020.3	837.6
Statewide Rate	528.5	590.1	634.8	704.1	654.9

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

Key takeaways: Rates are low for Brown, Crawford, Harrison, Jackson, and Perry compared to the region. Rates are high for Lawrence and Orange compared to the region. Rates for this region are high for Indiana. Brown, Lawrence, and Orange saw increases in 2020-2021. Lawrence and Orange 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
BROWN	202.9	231.5	215.3	243.9	191.2
CRAWFORD	256.5	269.3	464.9	218.8	280.6
HARRISON	236.4	278.4	259.6	253.7	264.6
JACKSON	271.5	272.4	252.2	286.1	268.7
LAWRENCE	292.9	237.3	205.8	278.1	251.2
ORANGE	292.9	264.0	228.9	319.0	293.8
PERRY	249.7	269.6	236.2	249.7	227.8
WASHINGTON	311.5	385.8	368.0	332.8	242.5
Regional Rate	268.5	274.6	260.3	276.7	252.5
Statewide Rate	257.9	257.2	248.7	244.8	239.9

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

Key takeaways: Crawford saw an increase in 2021-2022. Crawford saw a drop in 2022-2023.



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
BROWN	260.4	646.5	687.5	735.5	866.1
CRAWFORD	576.4	729.1	571.2	847.5	764.6
HARRISON	524.1	743.4	826.8	869.7	727.0
JACKSON	1,076.8	1,249.0	1,148.6	1,047.2	1,217.1
LAWRENCE	1,299.8	1,441.8	1,523.1	1,587.1	1,490.6
ORANGE	1,260.0	1,717.3	1,635.0	1,678.0	1,500.0
PERRY	997.1	1,035.5	1,033.0	1,114.4	1,027.9
WASHINGTON	1,045.9	997.5	946.9	1,072.2	744.3
Regional Rate	945.2	1,119.0	1,110.5	1,154.7	1,088.5
Statewide Rate	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. Rates are age-adjusted.

Key takeaways: Rates are low for Brown, Crawford, and Harrison compared to the region. Rates are high for Lawrence and Orange compared to the region. Rates for this region are high for Indiana. Brown and Orange saw increases in 2020-2021. Crawford saw an increase in 2022-2023. Washington saw a drop in 2023-2024.

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
BROWN	36.7*	31.8*	41.0*	21.9*	47.5*
CRAWFORD	126.3*	85.7*	86.1*	102.3*	39.2*
HARRISON	43.7*	30.2*	67.6	48.1*	45.3*
JACKSON	57.6	67.1	69.8	43.0*	78.5
LAWRENCE	63.0	50.9	68.8	43.8	66.0
ORANGE	49.3*	39.0*	67.9*	74.3*	48.3*
PERRY	80.2*	39.5*	49.5*	47.8*	92.3*
WASHINGTON	71.0*	39.0*	66.0*	57.7*	65.2*
Regional Rate	59.9	47.4	64.1	50.2	62.9
Statewide Rate	57.0	59.0	56.1	56.0	55.7

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
BROWN	42.8*	147.9	83.6*	125.9	153.2
CRAWFORD	124.0*	105.2*	105.4*	121.9*	98.9*
HARRISON	63.0	94.4	131.5	118.0	93.0
JACKSON	178.4	231.8	165.0	217.1	227.8
LAWRENCE	149.4	191.9	207.5	190.4	217.0
ORANGE	167.7	229.7	210.3	208.9	177.9
PERRY	122.3	94.8*	168.7	176.2	162.7
WASHINGTON	113.9	96.8	111.6	96.5	89.9
Regional Rate	125.5	159.1	156.0	164.8	162.8
Statewide Rate	88.3	94.0	100.0	103.9	106.6

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

Key takeaways: Rates are low for Harrison and Washington compared to the region. Rates for this region are high for Indiana. Jackson and Orange saw increases in 2020-2021. Jackson saw a drop in 2021-2022.



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
BROWN	19.2%
CRAWFORD	19.4%
HARRISON	23.9%
JACKSON	19.2%
LAWRENCE	25.4%
ORANGE	24.7%
PERRY	19.4%
WASHINGTON	24.7%
Regional Rate	22.8%
Statewide Rate	17.9%

Data Source: BRFSS. Source is same for state and county. Counties with insufficient data are grouped with nearby ones.

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
BROWN	12.1%*	5.0%*	8.3%*	5.9%*
CRAWFORD	24.8%	20.4%	12.9%*	9.9%*
HARRISON	13.7%	9.9%	7.7%	5.5%
JACKSON	14.6%	8.5%	7.4%	3.5%
LAWRENCE	16.6%	14.2%	11.4%	6.7%
ORANGE	15.6%	11.7%	8.8%*	8.1%*
PERRY	20.6%	11.1%*	11.8%	7.8%*
WASHINGTON	14.0%	12.7%	9.6%	7.5%
Regional Rate	15.6%	11.2%	9.2%	6.1%
Statewide Rate	9.0%	6.6%	5.3%	3.8%

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



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
BROWN	10.1*	(S)	(S)	(S)	(S)
CRAWFORD	(S)	9.0*	(S)	(S)	(S)
HARRISON	5.2*	3.9*	4.4*	5.9*	4.8*
JACKSON	5.8*	6.2*	5.8*	6.4	5.7*
LAWRENCE	6.6*	5.7*	5.0*	4.7*	4.8*
ORANGE	9.1*	7.5*	9.4*	8.0*	8.3*
PERRY	(S)	(S)	(S)	(S)	(S)
WASHINGTON	5.6*	5.6*	6.2*	6.7*	6.1*
Regional Rate	6.2	5.5	5.5	5.3	4.9
Statewide Rate	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. * = 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
BROWN	8.5%*	8.6%*	10.9%*	4.1%*	6.9%*
CRAWFORD	8.6%*	9.9%*	15.3%*	9.7%*	9.9%*
HARRISON	7.4%	9.8%	6.7%	8.4%	8.5%
JACKSON	5.2%	6.9%	7.1%	8.6%	8.2%
LAWRENCE	10.2%	8.2%	6.8%	7.2%	8.7%
ORANGE	8.2%*	12.4%	11.2%	7.9%*	12.2%
PERRY	10.8%*	10.3%*	8.8%*	6.5%*	10.6%*
WASHINGTON	8.1%	8.1%	8.6%	4.8%*	7.5%
Regional Rate	7.8%	8.8%	8.2%	7.4%	8.8%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

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

Key takeaways: Harrison saw a drop 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
BROWN	7.7%*	11.2%*	12.9%*	8.3%*	8.9%*
CRAWFORD	10.8%*	17.8%*	17.3%*	10.8%*	14.3%*
HARRISON	9.1%	12.7%	10.9%	12.9%	13.4%
JACKSON	9.1%	10.2%	11.6%	11.4%	12.3%
LAWRENCE	13.7%	11.0%	10.7%	11.6%	11.2%
ORANGE	9.6%	10.7%	13.5%	8.8%*	12.7%
PERRY	16.8%	10.9%	11.7%	8.8%*	14.0%
WASHINGTON	9.0%	10.2%	14.5%	7.5%	13.0%
Regional Rate	10.5%	11.3%	12.2%	10.6%	12.5%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

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

Key takeaways: Perry saw a drop in 2020-2021. Washington saw a drop in 2022-2023. Washington saw an increase in 2023-2024.

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
BROWN	21.4%	25.0%	17.8%*	22.3%	17.8%*
CRAWFORD	29.0%	29.7%	29.6%	29.0%	27.5%
HARRISON	25.1%	19.4%	22.5%	21.0%	19.4%
JACKSON	38.3%	34.7%	37.2%	35.2%	35.8%
LAWRENCE	25.6%	19.2%	21.0%	26.2%	22.0%
ORANGE	35.6%	31.6%	32.3%	32.1%	24.9%
PERRY	31.7%	19.6%	21.1%	24.1%	29.6%
WASHINGTON	31.8%	26.4%	29.6%	30.1%	25.6%
Regional Rate	31.0%	25.8%	27.9%	28.5%	26.6%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

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

Key takeaways: Lawrence and Perry saw drops in 2020-2021. Orange saw a drop 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
BROWN	72.3*	93.8*	0.0*
CRAWFORD	45.3*	43.6*	87.1*
HARRISON	38.2*	25.0*	24.4*
JACKSON	24.4*	100.6*	86.5*
LAWRENCE	42.7*	85.5*	41.9*
ORANGE	98.0*	72.0*	0.0*
PERRY	80.3*	104.7*	50.3*
WASHINGTON	94.9*	37.2*	72.9*
Regional Rate	55.8	70.8	45.3
Statewide Rate	53.1	58.1	58.4

Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
BROWN	5,227.7	7,342.2	5,998.2
CRAWFORD	4,393.1	4,573.2	5,877.2
HARRISON	6,527.3	7,192.9	7,898.9
JACKSON	7,078.2	4,136.8	6,314.9
LAWRENCE	9,223.9	9,893.2	9,523.8
ORANGE	9,627.6	9,916.0	10,194.7
PERRY	7,011.0	7,565.4	7,022.4
WASHINGTON	6,432.6	5,987.4	6,778.4
Regional Rate	7,277.1	7,234.3	7,684.5
Statewide Rate	6,032.1	6,410.5	6,666.6

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county.

Key takeaways: Rates are low for Crawford compared to the region. Rates are high for Orange compared to the region. Brown saw an increase in 2022-2023. Jackson saw a drop in 2022-2023. Jackson 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
BROWN	867.3	867.9	1,312.8
CRAWFORD	498.2*	435.5*	740.1*
HARRISON	611.9	613.0	842.4
JACKSON	489.0	503.0	469.6
LAWRENCE	971.5	1,164.5	1,318.7
ORANGE	1,273.9	1,008.4	1,214.2
PERRY	722.5	733.0	805.4
WASHINGTON	759.0	483.5	765.3
Regional Rate	769.4	753.9	937.9
Statewide Rate	1,103.9	1,132.9	1,187.9

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

Key takeaways: Rates are low for Jackson compared to the region. Rates are high for Lawrence and Orange compared to the region. Rates for this region are low for Indiana. Brown 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
BROWN	12.8*	57.5*	12.8*
CRAWFORD	38.0*	19.2*	28.5*
HARRISON	40.1*	12.5*	35.0*
JACKSON	17.3*	21.5*	19.0*
LAWRENCE	11.1*	13.3*	13.3*
ORANGE	10.2*	25.5*	35.3*
PERRY	15.6*	15.6*	36.2*
WASHINGTON	46.1*	24.8*	14.1*
Regional Rate	23.6	20.9	23.0
Statewide Rate	14.2	13.7	12.6

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

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

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
BROWN	629.4	951.9	996.8
CRAWFORD	692.9	651.5	570.2
HARRISON	838.1	777.4	868.0
JACKSON	829.4	779.2	923.7
LAWRENCE	990.7	1,093.5	1,066.6
ORANGE	947.9	1,110.1	1,266.1
PERRY	557.8	452.9	419.3
WASHINGTON	754.7	904.1	825.5
Regional Rate	820.9	864.7	905.6
Statewide Rate	762.0	836.2	862.3

Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county.

Key takeaways: Rates are low for Crawford and Perry compared to the region. Rates are increasing both for this region and for the state. Brown saw an increase 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
BROWN	83.5*	38.3*	44.7*
CRAWFORD	(S)	(S)	(S)
HARRISON	(S)	(S)	(S)
JACKSON	38.9*	60.3	59.0
LAWRENCE	31.0*	55.5	44.3
ORANGE	(S)	25.5*	25.2*
PERRY	36.5*	(S)	(S)
WASHINGTON	(S)	(S)	(S)
Regional Rate	26.7	34.3	32.3
Statewide Rate	44.4	47.0	45.1

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. * = 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: **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
BROWN	51.4*	31.9*	25.6*
CRAWFORD	56.9*	47.9*	28.5*
HARRISON	32.6*	15.0*	17.5*
JACKSON	23.8*	28.0*	31.6*
LAWRENCE	22.1*	28.8*	24.3*
ORANGE	10.2*	50.9*	35.3*
PERRY	26.1*	26.0*	31.1*
WASHINGTON	35.4*	21.3*	28.2*
Regional Rate	29.0	28.0	27.0
Statewide Rate	21.1	21.3	22.4

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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
BROWN	295.4	351.4	287.5
CRAWFORD	161.4*	229.9	95.0*
HARRISON	286.1	240.0	217.6
JACKSON	313.2	344.4	348.0
LAWRENCE	387.0	319.4	442.6
ORANGE	372.0	341.2	393.5
PERRY	245.0	239.5	144.9
WASHINGTON	251.6	273.0	310.5
Regional Rate	306.4	297.7	309.8
Statewide Rate	246.1	260.1	261.2

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

Key takeaways: Rates are low for Perry compared to the region. Lawrence saw an increase in 2023-2024. Perry saw a drop in 2023-2024.



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
BROWN	83.5*	63.9*	76.7*
CRAWFORD	(S)	(S)	(S)
HARRISON	17.6*	27.5*	30.0*
JACKSON	58.3	68.9	59.0
LAWRENCE	68.6	106.5	97.4
ORANGE	66.2*	(S)	25.2*
PERRY	52.1*	36.4*	36.2*
WASHINGTON	17.7*	21.3*	28.2*
Regional Rate	48.1	53.4	52.2
Statewide Rate	62.2	64.7	66.4

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

Key takeaways: Rates are high for Lawrence compared to the region. Lawrence saw an increase 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
BROWN	51.4*	51.1*	31.9*
CRAWFORD	75.9*	9.6*	19.0*
HARRISON	50.2	45.0*	30.0*
JACKSON	41.0*	23.7*	25.3*
LAWRENCE	33.2*	39.9*	28.8*
ORANGE	20.4*	15.3*	25.2*
PERRY	10.4*	10.4*	10.4*
WASHINGTON	49.6*	28.4*	7.1*
Regional Rate	40.1	30.7	23.4
Statewide Rate	39.1	32.4	24.7

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

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

County	2022	2023	2024
BROWN	301.9	191.7	140.6
CRAWFORD	132.9*	153.3*	95.0*
HARRISON	276.0	215.0	167.6
JACKSON	233.3	256.1	219.3
LAWRENCE	356.0	306.1	289.9
ORANGE	300.7	198.6	247.2
PERRY	135.5	187.4	222.6
WASHINGTON	251.6	156.0	190.5
Regional Rate	265.5	226.1	212.2
Statewide Rate	244.9	223.0	188.4

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

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



Trauma & Injury Prevention

Hospitalizations From Overdoses

Table 30. Overdoses, Hospitalization Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BROWN	96.3*	76.7*	83.1*
CRAWFORD	47.5*	(S)	(S)
HARRISON	52.7	35.0*	20.0*
JACKSON	56.2	53.8	59.0
LAWRENCE	84.0	79.9	62.0
ORANGE	91.7*	56.0*	70.6*
PERRY	26.1*	(S)	25.9*
WASHINGTON	77.9	(S)	45.9*
Regional Rate	66.8	47.2	49.9
Statewide Rate	82.3	78.6	73.1

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

Key takeaways: Rates are high for Lawrence compared to the region. Rates for this region are low for Indiana. Lawrence saw a drop in 2023-2024.

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
BROWN	32.1*	31.9*	19.2*
CRAWFORD	28.5*	0.0*	9.5*
HARRISON	40.1*	25.0*	15.0*
JACKSON	21.6*	19.4*	10.5*
LAWRENCE	28.7*	31.1*	19.9*
ORANGE	15.3*	15.3*	20.2*
PERRY	5.2*	5.2*	10.4*
WASHINGTON	39.0*	24.8*	7.1*
Regional Rate	27.6	21.8	14.1
Statewide Rate	30.2	23.4	16.6

*Data Source: Indiana Department of Health Vital Records Division. Source is same for state and county. * = 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 Opioid Overdoses

Table 32. Opioid Overdoses, ED Visit Rates per 100,000 by County, 2022-2024			
County	2022	2023	2024
BROWN	134.9	63.9*	(S)
CRAWFORD	47.5*	(S)	(S)
HARRISON	82.8	60.0	60.0
JACKSON	79.9	71.0	44.3
LAWRENCE	117.2	95.4	77.4
ORANGE	51.0*	40.7*	25.2*
PERRY	31.3*	(S)	(S)
WASHINGTON	77.9	46.1*	60.0*
Regional Rate	83.3	61.9	46.9
Statewide Rate	98.5	77.3	54.7

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

Key takeaways: Rates are high for Lawrence compared to the region. 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
BROWN	45.0*	(S)	(S)
CRAWFORD	(S)	(S)	(S)
HARRISON	(S)	12.5*	(S)
JACKSON	15.1*	(S)	14.8*
LAWRENCE	22.1*	20.0*	13.3*
ORANGE	(S)	(S)	(S)
PERRY	(S)	(S)	(S)
WASHINGTON	31.9*	(S)	(S)
Regional Rate	17.4	9.3	9.3
Statewide Rate	20.3	20.7	17.6

*Data Source: Indiana Hospital Association (IHA) Hospital Discharge dataset. Source is same for state and county. * = 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: **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
BROWN	5	5	3
CRAWFORD	3	0	1
HARRISON	16	10	6
JACKSON	10	9	5
LAWRENCE	13	14	9
ORANGE	3	3	4
PERRY	1	1	2
WASHINGTON	11	7	2
Regional Total	62	49	32
Statewide Total	2,064	1,608	1,149

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

Key takeaways: Counts are decreasing both for this region and for the state. Harrison saw a drop in 2022-2023. Lawrence and Washington 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
BROWN	0	0	0
CRAWFORD	0	0	0
HARRISON	0	0	0
JACKSON	0	0	0
LAWRENCE	0	1	0
ORANGE	0	0	0
PERRY	0	0	0
WASHINGTON	0	0	0
Regional Total	0	1	0
Statewide Total	66	24	25

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

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



Trauma & Injury Prevention

Death Counts From Overdoses, Benzodiazepine

Table 36. Benzodiazepine Overdoses, Death Counts by County, 2022-2024			
County	2022	2023	2024
BROWN	1	0	2
CRAWFORD	0	0	0
HARRISON	2	2	1
JACKSON	1	0	2
LAWRENCE	0	0	0
ORANGE	0	1	0
PERRY	0	0	0
WASHINGTON	1	1	0
Regional Total	5	4	5
Statewide Total	212	187	142

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

Key takeaways: Brown and Jackson saw increases 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
BROWN	1	1	1
CRAWFORD	0	0	0
HARRISON	0	1	1
JACKSON	1	0	1
LAWRENCE	0	0	0
ORANGE	0	0	0
PERRY	0	0	0
WASHINGTON	1	0	0
Regional Total	3	2	3
Statewide Total	<i>478</i>	<i>442</i>	<i>348</i>

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

Key takeaways: Harrison saw an increase in 2022-2023. Jackson and Washington saw drops in 2022-2023. Jackson 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
BROWN	4	2	1
CRAWFORD	5	0	2
HARRISON	7	8	5
JACKSON	12	5	6
LAWRENCE	5	5	8
ORANGE	3	1	1
PERRY	0	2	0
WASHINGTON	4	5	0
Regional Total	40	28	23
Statewide Total	948	763	678

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

Key takeaways: Counts are decreasing both for this region and for the state. Crawford and Jackson saw drops in 2022-2023. Washington 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
BROWN	5	5	3
CRAWFORD	3	0	1
HARRISON	15	9	6
JACKSON	10	8	5
LAWRENCE	12	14	9
ORANGE	3	3	4
PERRY	1	1	1
WASHINGTON	11	7	1
Regional Total	60	47	30
Statewide Total	<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.

Key takeaways: Counts are decreasing both for this region and for the state. Harrison saw a drop in 2022-2023. Lawrence and Washington saw drops 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
BROWN	821.5	781.6	716.2
CRAWFORD	1,103.5	1,108.5	1,090.0
HARRISON	832.1	821.4	793.1
JACKSON	849.2	845.7	761.2
LAWRENCE	1,347.0	1,290.2	1,236.3
ORANGE	985.0	961.6	911.2
PERRY	665.5	665.7	655.9
WASHINGTON	990.8	983.2	895.0
Regional Rate	970.4	950.3	894.8
Statewide Rate	701.2	686.2	628.7

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

Key takeaways: Rates are low for Perry compared to the region. Rates are high for Lawrence compared to the region. Rates for this region are high for Indiana. Rates are decreasing both for this region and for the state. Jackson and Washington saw drops 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
BROWN	64.2*	31.9*	19.2*
CRAWFORD	19.0*	38.3*	0.0*
HARRISON	32.6*	7.5*	17.5*
JACKSON	17.3*	19.4*	23.2*
LAWRENCE	15.5*	17.7*	8.9*
ORANGE	25.5*	15.3*	20.2*
PERRY	15.6*	26.0*	15.5*
WASHINGTON	24.8*	31.9*	10.6*
Regional Rate	24.5	20.5	15.5
Statewide Rate	16.8	17.3	16.9

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

Key takeaways: Rates are decreasing for this region but not for the state.



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
BROWN	122.0*	76.7*	108.6*
CRAWFORD	56.9*	76.6*	95.0*
HARRISON	75.3	85.0	82.5
JACKSON	146.9	150.7	151.8
LAWRENCE	148.2	128.6	128.3
ORANGE	142.7	127.3	141.2
PERRY	88.6*	208.2	243.3
WASHINGTON	131.1	46.1*	67.0*
Regional Rate	121.2	115.7	125.5
Statewide Rate	111.9	108.7	105.3

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

Key takeaways: Rates are low for Harrison compared to the region. Perry saw an increase in 2023-2024.

Trauma & Injury Prevention

Hospitalizations From Self-Harm

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

County	2022	2023	2024
BROWN	(S)	(S)	(S)
CRAWFORD	(S)	(S)	(S)
HARRISON	15.1*	15.0*	(S)
JACKSON	15.1*	21.5*	19.0*
LAWRENCE	31.0*	22.2*	19.9*
ORANGE	40.8*	(S)	35.3*
PERRY	(S)	(S)	(S)
WASHINGTON	21.3*	(S)	24.7*
Regional Rate	21.8	16.0	19.0
Statewide Rate	30.7	29.4	27.5

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

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

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
BROWN	0*	0*	0*	0*	0*
CRAWFORD	0*	0*	0*	0*	0*
HARRISON	12,666	14,041	15,865	14,738	16,200
JACKSON	22,688	24,071	23,943	23,223	22,713
LAWRENCE	18,962	22,592	23,781	22,683	22,485
ORANGE	8,427	9,588	10,087	10,455	10,761
PERRY	7,722	8,634	8,794	8,474	8,731
WASHINGTON	6,771	7,643	7,743	7,915	7,648
Regional Total	77,236	86,569	90,213	87,488	88,538
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

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

Key takeaways: Lawrence saw an increase in 2020-2021. Harrison saw an increase 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
BROWN	77.5
CRAWFORD	74.2
HARRISON	74.8
JACKSON	75.0
LAWRENCE	74.6
ORANGE	73.8
PERRY	77.1
WASHINGTON	73.8
Regional Average	74.9
Statewide Average	75.6

Data Source: University of Wisconsin Population Health Institute. Source is same for state and county.

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
BROWN	2,544	2,588	1,580	1,486	2,634
CRAWFORD	10,591	3,209	7,565	5,296	5,296
HARRISON	660	611	453	447	459
JACKSON	499	387	262	254	296
LAWRENCE	612	607	417	428	517
ORANGE	922	944	616	508	573
PERRY	556	618	283	342	432
WASHINGTON	1,054	1,311	720	1,001	919
Regional Ratio	711	662	430	441	505
Statewide Ratio	367	316	209	205	215

Data Source: Bowen Center for Health Workforce Research and Policy. Source is same for state and county.

Key takeaways: Values are low for Jackson compared to the region. Values are high for Brown, Crawford, and Washington compared to the region. Values for this region are high for Indiana. Crawford saw a drop in 2015-2017. Crawford saw an increase in 2017-2019. Crawford saw a drop in 2019-2021.

Geospatial Analysis

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

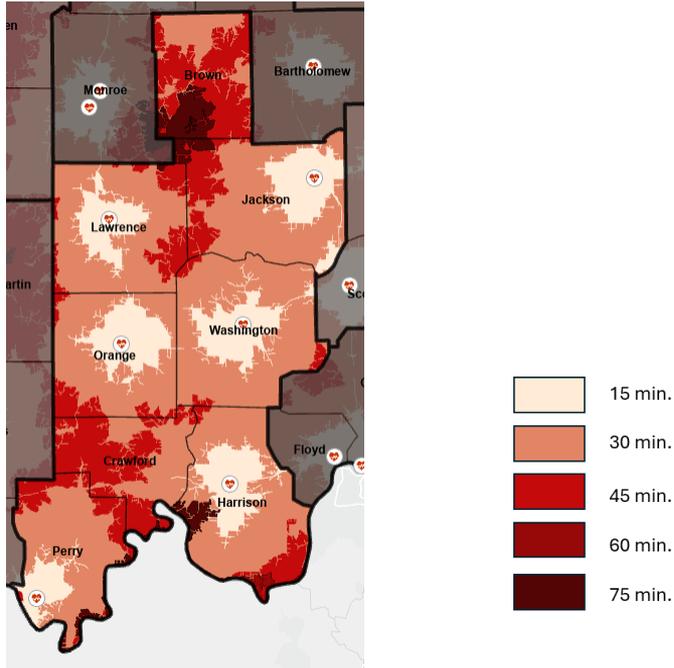
Metric: **Drive-time analysis of local emergency departments*** and **Drive-time analysis of local birthing hospitals***

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

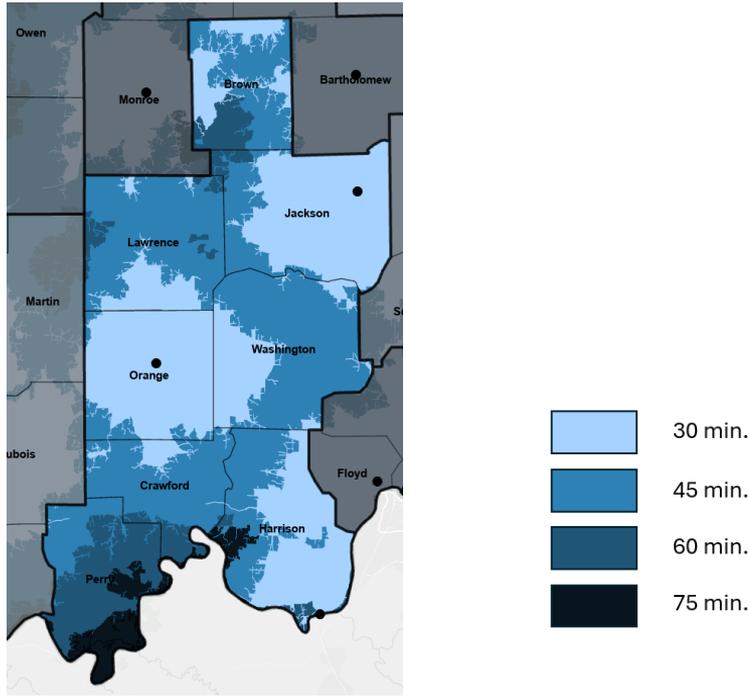
Drive-time to emergency departments



Key takeaways: All counties in this region exhibit drive-times of 15 to 45 minutes to receive emergency care in Indiana. Some residents in Brown, Jackson, Lawrence, Crawford, Perry and Harrison counties **may travel substantially longer, with drive-times of 60 to 75 minutes.**

Geospatial Analysis

Drive-time to birthing hospitals



Key takeaways: All counties in this region exhibit drive-times of 30 to 45 minutes to an Indiana birthing hospital, with some residents in Brown, Lawrence, Jackson, Perry and Crawford **traveling 60 minutes by car**. Perry and Harrison counties demonstrate the highest drive-times in this region, with portions of the counties **exhibiting 75+ minutes of travel**.



INDIANA
RURAL HEALTH TRANSFORMATION

REGION 8

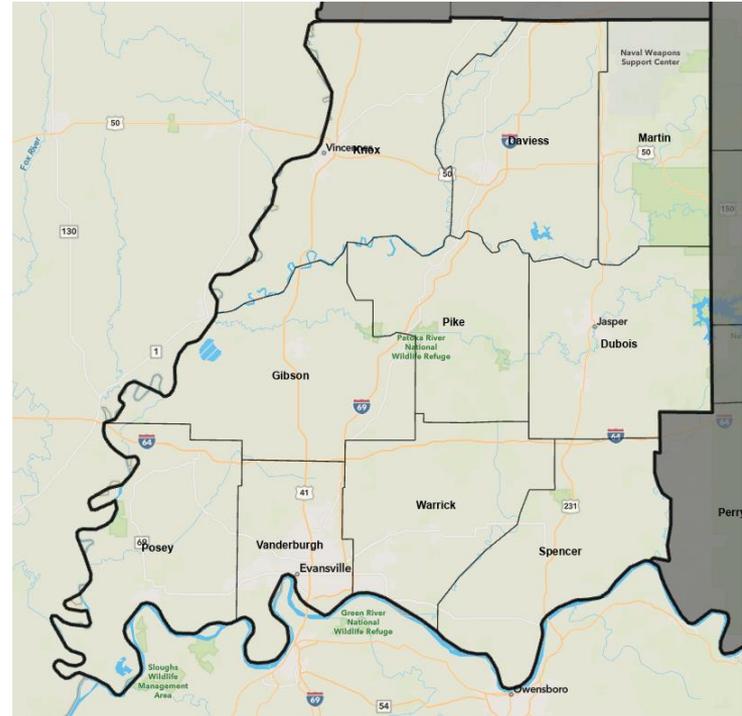


Indiana
Department
of
Health

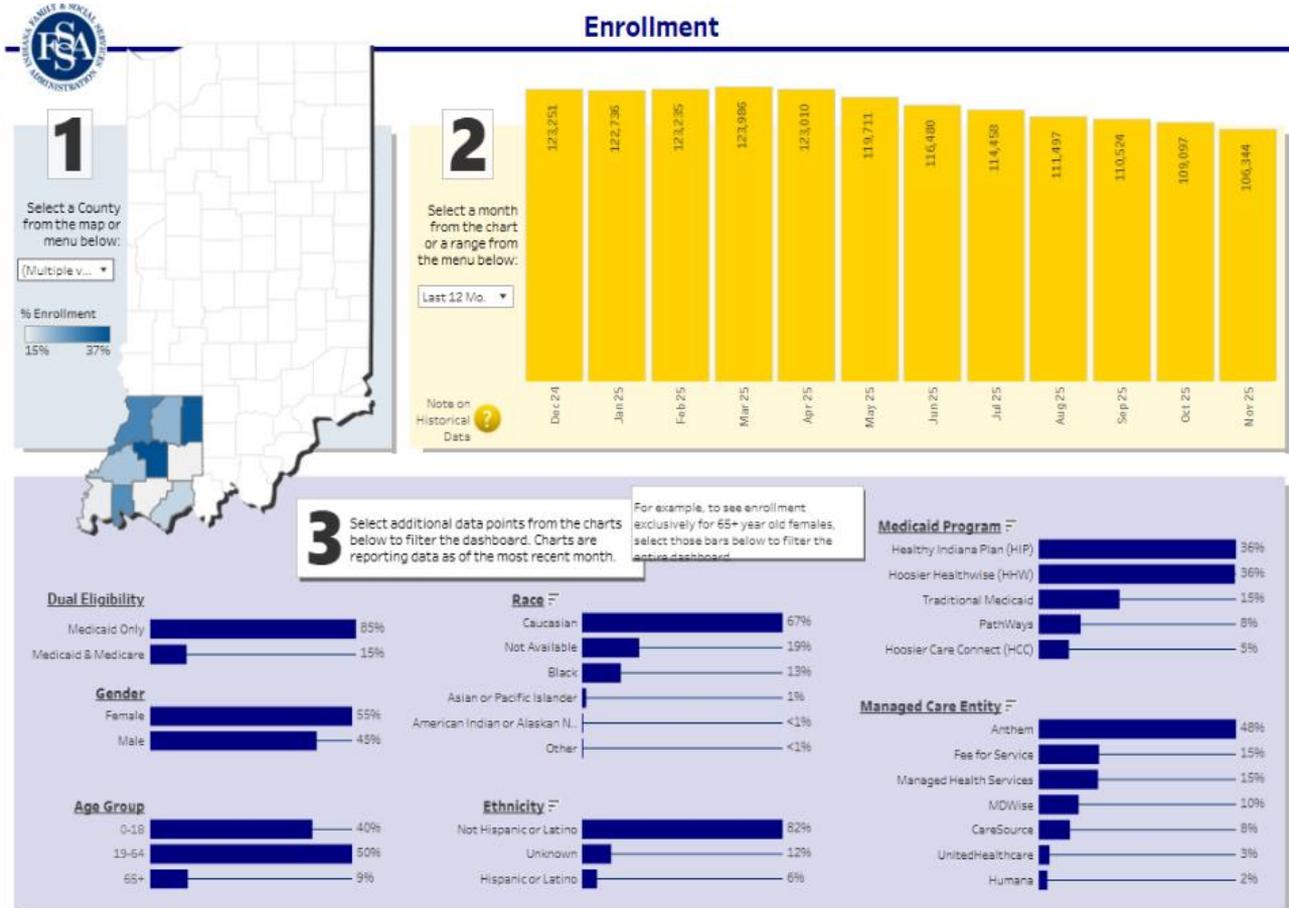
Region 8

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

- Knox
- Daviess
- Martin
- Gibson
- Pike
- Dubois
- Posey*
- Vanderburgh*
- Warrick*
- Spencer



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
DAVISS	41.2%	35.6%	38.3%
DUBOIS	38.3%	38.8%	38.4%
GIBSON	38.2%	36.7%	40.2%
KNOX	43.9%	39.9%	38.2%
MARTIN	38.7%	39.6%	39.6%
PIKE	37.3%	37.9%	41.7%
POSEY (PR)	36.8%	37.7%	36.4%
SPECER	37.6%	39.2%	35.7%
VANDERBURGH (PR)	36.6%	42.4%	39.3%
WARRICK (PR)	40.4%	33.2%	39.8%
Regional Average	38.4%	39.1%	38.9%
Statewide Rate	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: Vanderburgh saw an increase in 2020-2021. Daviess and Warrick saw drops in 2020-2021. Warrick 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
DAVISS	0.3%
DUBOIS	0.2%
GIBSON	0.5%
KNOX	0.3%
MARTIN	0.6%
PIKE	0.5%
POSEY (PR)	0.6%
SPENCER	0.5%
VANDEBURGH (PR)	0.6%
WARRICK (PR)	0.6%
Regional Rate	0.5%
Statewide Rate	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 Daviess, Dubois, and Knox 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
DAVISS	10.9%
DUBOIS	8.9%
GIBSON	13.8%
KNOX	11.0%
MARTIN	16.2%
PIKE	15.2%
POSEY (PR)	11.3%
SPENCER	11.9%
VANDEBURGH (PR)	12.8%
WARRICK (PR)	11.8%
Regional Rate	12.2%
Statewide Rate	11.2%

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 Dubois 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
DAVISS	40.5*	38.1*	18.6*	27.0*	32.4*
DUBOIS	43.3*	32.3*	33.4*	33.1*	29.1*
GIBSON	23.4*	53.9*	28.7*	40.6*	17.1*
KNOX	36.4*	42.7*	36.3*	47.2*	38.5*
MARTIN	55.1*	107.5*	16.7*	40.9*	8.8*
PIKE	43.1*	154.9*	55.8*	69.6*	54.0*
POSEY (PR)	13.3*	44.1*	33.7*	58.2*	41.8*
SPENCER	57.0*	52.2*	45.4*	51.6*	32.8*
VANDERBURGH (PR)	41.5	44.2	43.5	44.7	29.8
WARRICK (PR)	26.2*	45.0	31.9	42.7	44.0
Regional Rate	37.2	48.2	37.0	43.6	32.8
Statewide Rate	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: Warrick saw a drop in 2021-2022. Vanderburgh saw a drop in 2023-2024.



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
DAVISS	349.6	362.9	401.8	507.8	451.7
DUBOIS	142.2	244.4	249.0	279.3	325.2
GIBSON	266.9	280.6	340.8	355.6	296.7
KNOX	515.8	493.5	422.3	634.4	522.0
MARTIN	244.0	409.1	343.6	306.3	543.6
PIKE	255.2	217.6	295.5	392.3	325.5
POSEY (PR)	221.3	206.0	117.0	202.0	151.2
SPENCER	216.1	198.5	286.5	222.8	242.4
VANDERBURGH (PR)	426.7	417.9	468.7	505.2	487.6
WARRICK (PR)	248.1	215.5	218.3	257.1	265.6
Regional Rate	335.8	336.9	359.3	411.9	76.5
Statewide Rate	344.1	364.1	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. Rates are age-adjusted.

Key takeaways: Rates are low for Posey compared to the region. Rates are high for Daviess, Knox, and Vanderburgh compared to the region. Martin saw an increase in 2020-2021. Knox saw an increase in 2022-2023. Martin saw an increase 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
DAVISS	22.4%
DUBOIS	13.7%
GIBSON	44.3%
KNOX	21.9%
MARTIN	37.5%
PIKE	37.4%
POSEY (PR)	41.7%
SPENCER	32.6%
VANDEBURGH (PR)	40.2%
WARRICK (PR)	38.1%
Regional Rate	35.1%
Statewide Rate	47.5%
<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 Daviess, Dubois, and Knox 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
DAVISS	35.2*	28.1*	42.8*	58.8*	64.8*
DUBOIS	29.2*	39.6*	24.3*	42.5*	42.3
GIBSON	12.2*	25.0*	25.6*	37.0*	33.0*
KNOX	15.3*	16.6*	30.0*	10.9*	21.5*
MARTIN	11.4*	31.9*	61.4*	38.1*	46.6*
PIKE	32.9*	22.3*	76.1*	30.7*	35.5*
POSEY (PR)	7.9*	8.7*	25.1*	21.7*	33.7*
SPENCER	38.2*	43.5*	39.6*	53.9*	36.3*
VANDERBURGH (PR)	19.9	31.8	48.3	35.5	29.3
WARRICK (PR)	28.3*	31.4*	27.3*	29.8	31.7
Regional Rate	22.3	28.9	38.9	35.0	34.3
Statewide Rate	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
DAVISS	540.0	529.1	563.4	763.3	776.0
DUBOIS	325.0	360.0	453.5	527.3	573.2
GIBSON	550.3	719.1	674.9	769.9	866.3
KNOX	460.4	633.7	769.2	746.6	786.8
MARTIN	700.3	547.4	641.0	763.4	838.3
PIKE	418.4	502.6	484.2	660.5	524.6
POSEY (PR)	406.1	356.2	384.1	373.6	434.4
SPENCER	373.9	457.5	414.9	428.7	484.8
VANDERBURGH (PR)	657.9	681.0	733.4	761.7	716.0
WARRICK (PR)	482.0	519.4	472.3	556.2	515.1
Regional Rate	536.3	578.7	609.3	667.1	662.1
Statewide Rate	528.5	590.1	634.8	704.1	654.9

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 Dubois, Posey, and Spencer compared to the region. Rates are increasing for this region but not for the state. Gibson and Knox saw increases in 2020-2021. Martin saw a drop in 2020-2021. Daviess and Pike 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
DAVISS	280.5	232.1	387.0	329.0	421.2
DUBOIS	250.0	311.3	303.6	309.9	291.1
GIBSON	347.9	269.7	284.8	302.5	295.5
KNOX	315.3	335.1	263.6	320.7	323.1
MARTIN	306.4	266.9	276.0	210.0	367.6
PIKE	300.0	277.7	284.7	322.3	198.5
POSEY (PR)	214.4	196.3	213.2	235.0	222.6
SPENCER	317.5	265.5	272.0	305.2	244.0
VANDERBURGH (PR)	276.1	274.9	281.3	261.9	268.1
WARRICK (PR)	232.0	233.8	227.9	198.2	212.5
Regional Rate	275.2	269.1	276.4	269.5	274.5
Statewide Rate	257.9	257.2	248.7	244.8	239.9

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: Gibson saw a drop in 2020-2021. Daviess saw an increase in 2021-2022. Daviess and Martin saw increases in 2023-2024. Pike saw a drop 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
DAVISS	672.7	721.3	735.1	820.9	875.1
DUBOIS	703.0	677.4	674.6	773.2	866.1
GIBSON	933.7	1,006.6	799.8	831.0	815.9
KNOX	656.2	725.1	707.9	774.8	873.8
MARTIN	895.5	801.5	983.1	1,060.4	891.9
PIKE	727.3	757.2	548.8	685.3	766.5
POSEY (PR)	323.0	383.6	418.9	387.1	516.0
SPENCER	566.3	653.5	675.0	580.2	559.3
VANDERBURGH (PR)	628.2	580.8	690.9	709.6	576.0
WARRICK (PR)	638.1	501.6	595.5	671.3	553.1
Regional Rate	652.1	631.6	674.4	712.9	666.6
Statewide Rate	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 Posey compared to the region. Rates are high for Martin compared to the region. Martin saw an increase in 2021-2022. Gibson and Pike saw drops in 2021-2022. Martin saw a drop in 2023-2024.

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
DAVISS	35.9*	80.3	70.3	81.8	87.6
DUBOIS	58.5	85.6	82.0	93.7	71.7
GIBSON	52.5*	57.8*	38.0*	71.0	46.5*
KNOX	101.6	70.6	87.9	88.5	99.7
MARTIN	89.4*	40.1*	41.7*	38.1*	44.8*
PIKE	63.3*	47.9*	80.5*	110.9*	40.5*
POSEY (PR)	43.2*	33.8*	41.0*	49.4*	55.9*
SPENCER	87.4*	56.7*	32.6*	79.6*	25.4*
VANDERBURGH (PR)	64.1	59.6	69.5	56.9	63.8
WARRICK (PR)	44.5	50.6	52.8	48.8	56.1
Regional Rate	61.8	60.5	63.8	65.8	63.1
Statewide Rate	57.0	59.0	56.1	56.0	55.7

*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). Rates are age-adjusted.*

Key takeaways: Rates are high for Knox compared to the region. Dubois saw an increase in 2020-2021. Knox saw a drop in 2020-2021. Dubois 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
DAVISS	98.5	91.3	112.9	106.6	121.0
DUBOIS	112.5	103.0	127.1	151.4	165.3
GIBSON	86.8	85.4	82.1	124.5	112.7
KNOX	117.0	102.1	127.9	106.4	131.5
MARTIN	64.1*	175.6	94.3*	144.7*	154.1*
PIKE	60.8*	127.4*	100.8*	143.7*	50.3*
POSEY (PR)	21.6*	34.7*	71.2*	20.1*	27.1*
SPENCER	33.8*	36.0*	92.7	80.4*	84.9*
VANDERBURGH (PR)	47.9	51.1	55.0	58.9	48.7
WARRICK (PR)	43.0	44.4	73.1	54.7	35.9
Regional Rate	63.5	67.7	81.4	81.7	76.5
Statewide Rate	88.3	94.0	100.0	103.9	106.6

*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 Vanderburgh and Warrick compared to the region. Rates are high for Daviess, Dubois, and Knox compared to the region. Gibson saw an increase 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
DAVISS	18.9%
DUBOIS	17.0%
GIBSON	17.7%
KNOX	18.9%
MARTIN	18.9%
PIKE	18.9%
POSEY (PR)	17.7%
SPENCER	19.4%
VANDEBURGH (PR)	19.2%
WARRICK (PR)	15.0%
Regional Rate	18.1%
Statewide Rate	17.9%
<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
DAVISS	5.8%	7.2%	5.1%	3.2%*
DUBOIS	8.7%	3.8%*	3.3%*	2.8%*
GIBSON	10.0%	8.0%	5.3%*	4.5%*
KNOX	15.7%	12.0%	10.3%	7.4%
MARTIN	16.5%	10.0%*	7.3%*	9.9%*
PIKE	7.5%*	10.0%*	2.7%*	4.1%*
POSEY (PR)	12.6%	8.8%	6.5%*	4.0%*
SPENCER	8.3%*	5.8%*	7.0%*	2.7%*
VANDERBURGH (PR)	11.6%	7.7%	6.6%	3.3%
WARRICK (PR)	6.0%	4.5%	2.0%*	0.6%*
Regional Rate	10.2%	7.3%	5.6%	3.5%
Statewide Rate	9.0%	6.6%	5.3%	3.8%
<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 Knox compared to the region. Rates are decreasing both for this region and for the state.

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
DAVISS	5.4*	5.4*	5.7*	5.3*	5.9*
DUBOIS	5.5*	4.2*	3.5*	3.1*	2.7*
GIBSON	6.5*	6.2*	5.3*	5.4*	4.9*
KNOX	7.7*	7.9*	7.5*	5.6*	4.6*
MARTIN	(S)	(S)	(S)	(S)	(S)
PIKE	(S)	(S)	7.5*	(S)	(S)
POSEY (PR)	(S)	(S)	4.8*	5.9*	5.8*
SPENCER	6.8*	6.8*	8.8*	8.8*	7.8*
VANDERBURGH (PR)	8.0	7.8	7.5	7.5	6.9
WARRICK (PR)	5.7*	5.1*	5.7*	6.3	5.3*
Regional Rate	6.6	6.3	6.4	6.3	5.7
Statewide Rate	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
DAVISS	5.8%	6.5%	8.7%	4.8%	6.8%
DUBOIS	7.3%	7.1%	6.3%	7.1%	6.9%
GIBSON	5.5%	9.5%	5.8%	7.8%	6.3%
KNOX	8.1%	10.0%	9.3%	6.0%	7.6%
MARTIN	(S)	5.0%*	8.0%*	10.0%*	7.2%*
PIKE	5.0%*	7.5%*	10.0%*	5.4%*	5.7%*
POSEY (PR)	7.9%*	6.3%*	7.2%*	10.2%	6.9%*
SPENCER	9.3%	4.7%*	7.8%*	6.5%*	7.7%*
VANDERBURGH (PR)	9.3%	9.7%	10.2%	9.7%	9.1%
WARRICK (PR)	7.6%	6.3%	8.2%	8.4%	5.8%
Regional Rate	7.9%	8.2%	8.7%	8.1%	7.7%
Statewide Rate	8.1%	8.4%	8.7%	8.6%	8.5%

*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: Gibson saw an increase in 2020-2021. Gibson saw a drop in 2021-2022. Daviess and Knox saw drops 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
DAVISS	5.3%	7.8%	10.1%	8.0%	8.2%
DUBOIS	10.7%	13.0%	7.9%	11.1%	11.8%
GIBSON	7.1%	13.2%	9.7%	10.9%	9.2%
KNOX	12.1%	11.4%	11.5%	8.5%	13.2%
MARTIN	11.7%*	5.8%*	12.0%*	10.9%*	12.6%*
PIKE	8.6%*	11.2%*	11.8%*	13.5%*	6.5%*
POSEY (PR)	11.2%	10.8%	9.2%	13.4%	9.4%
SPENCER	12.0%	9.3%*	12.1%	12.4%	10.0%
VANDERBURGH (PR)	11.5%	13.0%	12.8%	12.5%	10.8%
WARRICK (PR)	11.6%	8.8%	9.1%	13.7%	9.7%
Regional Rate	10.5%	11.4%	11.0%	11.6%	10.4%
Statewide Rate	10.4%	10.9%	10.9%	11.0%	10.9%

*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 Daviess compared to the region. Gibson saw an increase in 2020-2021. Dubois saw a drop in 2021-2022. Warrick saw an increase in 2022-2023. Knox saw an increase in 2023-2024.

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
DAVISS	42.0%	39.6%	42.1%	38.1%	39.1%
DUBOIS	17.0%	16.0%	16.3%	15.6%	16.3%
GIBSON	12.6%	13.2%	13.0%	11.1%	14.0%
KNOX	22.0%	19.4%	16.7%	16.6%	17.1%
MARTIN	15.5%*	24.8%	17.0%*	22.7%	15.3%*
PIKE	17.3%	15.7%	15.5%*	14.4%*	9.8%*
POSEY (PR)	15.8%	15.3%	16.9%	9.7%	10.5%
SPENCER	22.7%	19.2%	22.3%	14.1%	13.6%
VANDERBURGH (PR)	22.2%	18.7%	22.0%	19.7%	21.4%
WARRICK (PR)	13.1%	13.6%	12.9%	8.7%	13.1%
Regional Rate	21.3%	19.6%	21.1%	18.6%	19.8%
Statewide Rate	30.7%	28.3%	29.1%	26.6%	27.3%

*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 Gibson, Posey, and Warrick compared to the region. Rates are high for Daviess compared to the region. Rates for this region are low for Indiana. Posey and Spencer saw drops in 2022-2023. Warrick 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
DAVISS	18.8*	36.3*	71.6*
DUBOIS	72.2*	23.7*	57.8*
GIBSON	84.1*	16.2*	78.4*
KNOX	88.8*	130.1*	114.5*
MARTIN	95.9*	46.0*	0.0*
PIKE	39.0*	38.5*	113.5*
POSEY (PR)	94.4*	55.2*	35.8*
SPENCER	48.0*	23.9*	22.8*
VANDERBURGH (PR)	75.8	95.1	110.3
WARRICK (PR)	49.4*	102.9*	130.6*
Regional Rate	68.9	74.1	92.3
Statewide Rate	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 for this region are high for Indiana. 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
DAVISS	6,886.8	7,316.6	7,602.9
DUBOIS	7,002.8	6,418.3	7,534.1
GIBSON	7,062.4	7,758.5	6,646.8
KNOX	8,364.2	9,422.0	9,486.3
MARTIN	7,094.9	6,525.7	6,584.4
PIKE	5,343.2	5,540.6	5,599.7
POSEY (PR)	3,721.2	4,879.4	3,843.4
SPECER	4,100.7	4,710.7	4,057.4
VANDEBURGH (PR)	5,630.2	5,695.2	5,271.6
WARRICK (PR)	5,812.1	6,149.6	5,678.1
Regional Rate	6,017.3	6,289.6	6,012.0
Statewide Rate	6,032.1	6,410.5	6,666.6

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 Posey and Spencer compared to the region. Rates are high for Knox compared to the region. Posey saw an increase in 2022-2023. Dubois saw an increase in 2023-2024. Gibson saw a drop 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
DAVIESS	1,032.1	1,307.2	1,359.6
DUBOIS	998.7	1,245.7	1,271.1
GIBSON	1,496.6	1,477.0	940.6
KNOX	1,347.2	1,517.3	1,488.1
MARTIN	1,006.7	1,286.8	914.5
PIKE	1,560.1	1,192.8	1,021.6
POSEY (PR)	1,095.6	1,049.5	1,090.5
SPECNER	839.3	765.2	569.9
VANDEBURGH (PR)	1,491.7	1,571.6	1,288.9
WARRICK (PR)	1,144.3	1,519.6	1,306.2
Regional Rate	1,288.8	1,416.2	1,220.4
Statewide Rate	1,103.9	1,132.9	1,187.9

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 Spencer compared to the region. Gibson saw a drop 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
DAVISS	15.0*	11.9*	17.6*
DUBOIS	9.2*	25.3*	13.8*
GIBSON	9.1*	3.0*	18.2*
KNOX	25.1*	25.0*	16.7*
MARTIN	20.4*	0.0*	10.1*
PIKE	32.9*	33.0*	33.0*
POSEY (PR)	19.9*	16.0*	19.9*
SPENCER	20.0*	25.1*	14.9*
VANDEBURGH (PR)	14.5	11.7	15.0
WARRICK (PR)	7.7*	9.1*	10.6*
Regional Rate	14.6	14.2	15.4
Statewide Rate	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: No definitive trends or regional differences.

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
DAVISS	628.4	716.1	662.8
DUBOIS	495.0	516.7	632.6
GIBSON	694.1	847.9	796.1
KNOX	782.4	770.7	847.5
MARTIN	775.3	747.7	953.0
PIKE	583.5	735.2	577.7
POSEY (PR)	582.5	583.1	602.4
SPENCER	545.9	582.6	515.1
VANDEBURGH (PR)	980.8	1,102.3	1,093.2
WARRICK (PR)	596.8	649.8	642.2
Regional Rate	762.2	840.9	843.7
Statewide Rate	762.0	836.2	862.3

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 Dubois, Posey, and Spencer compared to the region. Rates are increasing both for this region and for the state. Gibson and Pike saw increases in 2022-2023. Martin saw an increase in 2023-2024. Pike saw a drop 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
DAVISS	62.8	38.6*	46.9*
DUBOIS	36.7*	48.2	52.7
GIBSON	51.5*	76.0	51.5*
KNOX	55.9	63.8	36.2*
MARTIN	(S)	(S)	50.7*
PIKE	82.2*	57.8*	90.8*
POSEY (PR)	27.9*	47.9*	39.9*
SPENCER	(S)	65.3*	59.4*
VANDERBURGH (PR)	62.3	62.3	65.4
WARRICK (PR)	35.3	51.6	43.7
Regional Rate	50.9	57.1	55.1
Statewide Rate	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: Warrick saw an increase 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
DAVISS	15.0*	17.8*	14.7*
DUBOIS	22.9*	9.2*	22.9*
GIBSON	27.3*	30.4*	36.3*
KNOX	44.7*	38.8*	53.0*
MARTIN	30.6*	60.6*	10.1*
PIKE	24.7*	24.8*	24.8*
POSEY (PR)	47.9*	24.0*	39.9*
SPENCER	25.0*	20.1*	19.8*
VANDERBURGH (PR)	32.8	36.7	37.1
WARRICK (PR)	21.5*	30.4	27.1*
Regional Rate	29.7	30.3	32.3
Statewide Rate	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 for this region are high for Indiana. Rates are increasing both for this region and 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
DAVISS	191.5	199.1	246.4
DUBOIS	226.9	186.0	213.2
GIBSON	227.3	264.4	242.1
KNOX	402.4	346.5	337.3
MARTIN	265.2	333.4	354.8
PIKE	304.1	247.8	255.9
POSEY (PR)	143.6	235.6	139.6
SPECER	205.3	226.0	183.2
VANDEBURGH (PR)	214.7	239.1	223.4
WARRICK (PR)	202.5	205.0	223.1
Regional Rate	227.2	238.0	231.7
Statewide Rate	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.

Key takeaways: Rates are low for Posey compared to the region. Rates are high for Knox and Martin compared to the region. Posey saw an increase in 2022-2023. Posey saw a drop in 2023-2024.



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
DAVISS	74.8	65.4	58.7
DUBOIS	66.5	62.0	45.8
GIBSON	57.6*	82.1	87.8
KNOX	120.1	83.2	69.7
MARTIN	71.4*	101.0*	60.8*
PIKE	123.3*	74.3*	90.8*
POSEY (PR)	67.8*	95.8	55.9*
SPENCER	60.1*	85.4*	(S)
VANDERBURGH (PR)	76.2	86.8	88.1
WARRICK (PR)	58.3	54.7	73.9
Regional Rate	74.7	78.0	73.2
Statewide Rate	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: Knox 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
DAVIESS	12.0*	14.9*	0.0*
DUBOIS	4.6*	0.0*	4.6*
GIBSON	9.1*	12.2*	12.1*
KNOX	16.8*	8.3*	11.2*
MARTIN	0.0*	20.2*	10.1*
PIKE	8.2*	8.3*	16.5*
POSEY (PR)	31.9*	12.0*	0.0*
SPECER	20.0*	20.1*	5.0*
VANDERBURGH (PR)	40.6	25.0	21.1
WARRICK (PR)	13.8*	10.6*	10.6*
Regional Rate	24.0	16.1	12.8
Statewide Rate	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 are high for Vanderburgh 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
DAVISS	176.6	139.6	117.3
DUBOIS	183.4	91.9	116.9
GIBSON	136.4	167.2	136.2
KNOX	184.4	138.6	164.5
MARTIN	142.8*	121.2*	152.1*
PIKE	131.5*	156.9*	165.1
POSEY (PR)	131.7	115.8	83.8
SPECNER	105.2	115.5	104.0
VANDERBURGH (PR)	207.0	219.1	150.2
WARRICK (PR)	136.5	123.0	108.5
Regional Rate	173.7	163.5	133.5
Statewide Rate	244.9	223.0	188.4
<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).</i>			

Key takeaways: Rates are low for Posey and Spencer compared to the region. Rates for this region are low for Indiana. Rates are decreasing both for this region and for the state. Dubois saw a drop in 2022-2023. Vanderburgh 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
DAVISS	83.8	56.5*	79.2
DUBOIS	71.0	62.0	45.8
GIBSON	87.9	72.9	63.6
KNOX	92.2	110.9	105.9
MARTIN	91.8*	(S)	50.7*
PIKE	57.5*	82.6*	66.0*
POSEY (PR)	75.8*	63.9*	71.8*
SPENCER	60.1*	80.4*	59.4*
VANDERBURGH (PR)	159.1	133.5	134.2
WARRICK (PR)	85.9	80.5	60.3
Regional Rate	111.4	97.4	93.6
Statewide Rate	82.3	78.6	73.1

*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: Rates are low for Dubois, Gibson, and Warrick compared to the region. Rates are high for Vanderburgh compared to the region. Rates are decreasing both for this region and for the state. Vanderburgh saw a drop in 2022-2023.

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
DAVISS	6.0*	5.9*	0.0*
DUBOIS	4.6*	0.0*	4.6*
GIBSON	6.1*	3.0*	0.0*
KNOX	5.6*	5.5*	2.8*
MARTIN	0.0*	10.1*	10.1*
PIKE	0.0*	8.3*	8.3*
POSEY (PR)	16.0*	8.0*	0.0*
SPENCER	5.0*	5.0*	0.0*
VANDERBURGH (PR)	28.4	18.9	11.1
WARRICK (PR)	12.3*	9.1*	3.0*
Regional Rate	15.7	10.9	5.9
Statewide Rate	30.2	23.4	16.6

*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 high for Vanderburgh 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 Opioid Overdoses

Table 32. Opioid Overdoses, ED Visit Rates per 100,000 by County, 2022-2024

County	2022	2023	2024
DAVISS	18.0*	26.7*	14.7*
DUBOIS	25.2*	(S)	(S)
GIBSON	(S)	18.2*	(S)
KNOX	22.4*	19.4*	27.9*
MARTIN	(S)	(S)	(S)
PIKE	(S)	(S)	(S)
POSEY (PR)	27.9*	(S)	(S)
SPENCER	(S)	25.1*	(S)
VANDERBURGH (PR)	74.0	55.6	22.7
WARRICK (PR)	44.5	31.9	18.1*
Regional Rate	45.0	34.7	18.9
Statewide Rate	98.5	77.3	54.7

*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 high for Vanderburgh 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

Hospitalizations From Opioid Overdoses

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

County	2022	2023	2024
DAVISS	(S)	17.8*	14.7*
DUBOIS	(S)	(S)	11.5*
GIBSON	18.2*	27.4*	(S)
KNOX	22.4*	19.4*	19.5*
MARTIN	(S)	(S)	(S)
PIKE	(S)	(S)	(S)
POSEY (PR)	(S)	(S)	(S)
SPECER	(S)	(S)	(S)
VANDEBURGH (PR)	38.9	36.1	32.7
WARRICK (PR)	21.5*	15.2*	10.6*
Regional Rate	23.8	22.7	20.4
Statewide Rate	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: Rates are high for Vanderburgh compared to the region. Rates are decreasing for this region but not for the state.

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
DAVISS	2	2	0
DUBOIS	2	0	2
GIBSON	2	1	0
KNOX	2	2	1
MARTIN	0	1	1
PIKE	0	1	1
POSEY (PR)	4	2	0
SPENCER	1	1	0
VANDERBURGH (PR)	51	34	20
WARRICK (PR)	8	6	2
Regional Total	72	50	27
Statewide Total	2,064	1,608	1,149

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. Vanderburgh saw a drop in 2022-2023. Vanderburgh saw a drop 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
DAVISS	0	0	0
DUBOIS	0	0	0
GIBSON	0	0	0
KNOX	0	0	0
MARTIN	0	0	0
PIKE	0	0	0
POSEY (PR)	0	0	0
SPENCER	0	0	0
VANDERBURGH (PR)	4	1	0
WARRICK (PR)	0	0	0
Regional Total	4	1	0
Statewide Total	66	24	25

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

Key takeaways: Counts are decreasing for this region but not for the state. Vanderburgh saw a drop in 2022-2023. Vanderburgh saw a drop in 2023-2024.



Trauma & Injury Prevention

Death Counts From Overdoses, Benzodiazepine

Table 36. Benzodiazepine Overdoses, Death Counts by County, 2022-2024			
County	2022	2023	2024
DAVISS	0	1	0
DUBOIS	0	0	0
GIBSON	0	0	1
KNOX	0	0	0
MARTIN	0	0	0
PIKE	0	0	0
POSEY (PR)	0	0	0
SPENCER	0	0	0
VANDERBURGH (PR)	5	3	3
WARRICK (PR)	2	0	1
Regional Total	7	4	5
Statewide Total	212	187	142

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

Key takeaways: Daviess saw an increase in 2022-2023. Vanderburgh and Warrick saw drops in 2022-2023. Gibson and Warrick saw increases in 2023-2024. Daviess saw a drop 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
DAVISS	0	0	0
DUBOIS	0	0	0
GIBSON	0	0	0
KNOX	1	0	0
MARTIN	0	0	0
PIKE	0	0	0
POSEY (PR)	0	0	0
SPENCER	0	0	1
VANDERBURGH (PR)	5	5	3
WARRICK (PR)	0	0	0
Regional Total	6	5	4
Statewide Total	478	442	348

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. Knox saw a drop in 2022-2023. Spencer saw an increase in 2023-2024. Vanderburgh saw a drop 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
DAVISS	2	1	0
DUBOIS	1	0	1
GIBSON	3	3	3
KNOX	1	0	0
MARTIN	0	1	0
PIKE	1	0	1
POSEY (PR)	6	0	0
SPENCER	3	2	0
VANDERBURGH (PR)	27	16	22
WARRICK (PR)	4	3	3
Regional Total	48	26	30
Statewide Total	948	763	618

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

Key takeaways: Posey and Vanderburgh saw drops in 2022-2023. Vanderburgh saw an increase 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
DAVISS	2	2	0
DUBOIS	1	0	2
GIBSON	2	1	0
KNOX	2	1	0
MARTIN	0	1	1
PIKE	0	0	1
POSEY (PR)	4	1	0
SPENCER	1	1	0
VANDERBURGH (PR)	43	31	14
WARRICK (PR)	6	5	1
Regional Total	61	43	19
Statewide Total	1,977	1,504	1,045

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. Vanderburgh saw a drop in 2022-2023. Vanderburgh 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
DAVISS	813.6	770.4	671.9
DUBOIS	649.2	637.7	580.9
GIBSON	814.6	833.2	762.5
KNOX	1,275.1	1,230.6	1,163.0
MARTIN	1,198.5	1,104.4	1,018.5
PIKE	1,031.5	1,001.9	965.0
POSEY (PR)	910.2	833.9	789.1
SPECER	724.3	704.8	654.6
VANDEBURGH (PR)	962.1	951.1	893.9
WARRICK (PR)	766.4	771.2	713.2
Regional Rate	901.1	883.4	821.7
Statewide Rate	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 Dubois compared to the region. Rates are high for Knox compared to the region. Rates are decreasing both for this region and for the state. Daviess 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
DAVISS	9.0*	8.9*	8.8*
DUBOIS	18.3*	6.9*	9.2*
GIBSON	30.3*	33.4*	30.3*
KNOX	16.8*	19.4*	39.0*
MARTIN	10.2*	40.4*	40.6*
PIKE	32.9*	24.8*	16.5*
POSEY (PR)	31.9*	20.0*	27.9*
SPENCER	30.0*	0.0*	9.9*
VANDERBURGH (PR)	21.1	24.5	24.9
WARRICK (PR)	13.8*	13.7*	15.1*
Regional Rate	20.3	19.4	21.9
Statewide Rate	16.8	17.3	16.9

*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).*

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
DAVISS	110.7	89.1	76.3
DUBOIS	114.6	101.0	80.2
GIBSON	106.1	94.2	96.9
KNOX	83.8	80.4	86.4
MARTIN	71.4*	101.0*	121.7*
PIKE	74.0*	82.6*	82.5*
POSEY (PR)	63.8*	55.9*	19.9*
SPENCER	90.1*	70.3*	69.3*
VANDERBURGH (PR)	95.1	91.2	77.6
WARRICK (PR)	82.8	63.8	63.3
Regional Rate	93.3	84.6	75.3
Statewide Rate	111.9	108.7	105.3

*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 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
DAVISS	23.9*	17.8*	(S)
DUBOIS	16.0*	13.8*	(S)
GIBSON	30.3*	15.2*	24.2*
KNOX	27.9*	33.3*	30.7*
MARTIN	(S)	(S)	(S)
PIKE	(S)	(S)	49.5*
POSEY (PR)	39.9*	28.0*	31.9*
SPECER	30.0*	50.2*	(S)
VANDERBURGH (PR)	50.1	37.8	48.2
WARRICK (PR)	36.8	41.0	18.1*
Regional Rate	37.6	31.4	30.4
Statewide Rate	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 high for Vanderburgh compared to the region. 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
DAVISS	8,620	9,328	10,183	10,579	10,293
DUBOIS	19,342	22,077	23,600	24,432	24,599
GIBSON	5,566	8,366	9,975	10,047	9,657
KNOX	22,885	25,092	26,259	27,297	27,590
MARTIN	0*	0*	0*	0*	0*
PIKE	0*	0*	0*	0*	0*
POSEY (PR)	0*	0*	0*	0*	0*
SPECER	0*	0*	0*	0*	0*
VANDERBURGH (PR)	95,677	105,645	75,310	74,473	72,911
WARRICK (PR)	9,012	9,801	44,876	48,765	46,658
Regional Total	161,102	180,309	190,203	195,593	191,708
Statewide Total	835,498	934,002	995,892	1,017,665	1,017,155

*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. Vanderburgh saw an increase in 2020-2021. Warrick saw an increase in 2021-2022. Vanderburgh saw a drop 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
DAVISS	76.5
DUBOIS	78.1
GIBSON	76.9
KNOX	73.9
MARTIN	76.2
PIKE	75.4
POSEY (PR)	79.0
SPECER	76.5
VANDEBURGH (PR)	74.6
WARRICK (PR)	77.1
Regional Average	75.9
Statewide Average	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 46. Provider Ratios by County, 2015-2023					
County	2015	2017	2019	2021	2023
DAVIESS	663	646	500	519	628
DUBOIS	295	259	203	233	264
GIBSON	668	758	562	581	689
KNOX	601	555	141	214	237
MARTIN	2,280	5,131	3,421	2,280	3,539
PIKE	1,762	2,440	1,812	1,232	954
POSEY (PR)	3,008	2,507	1,826	1,598	1,704
SPENCER	1,220	1,372	1,264	1,017	1,043
VANDERBURGH (PR)	258	212	156	148	161
WARRICK (PR)	201	171	103	94	92
Regional Ratio	339	292	191	191	202
Statewide Ratio	361	316	209	205	215

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 Warrick compared to the region. Values are high for Daviess, Gibson, Knox, Martin, Pike, Posey, and Spencer compared to the region. Martin and Pike saw increases in 2015-2017. Martin and Posey saw drops in 2017-2019. Martin saw a drop in 2019-2021. Martin saw an increase in 2021-2023.

Geospatial Analysis

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

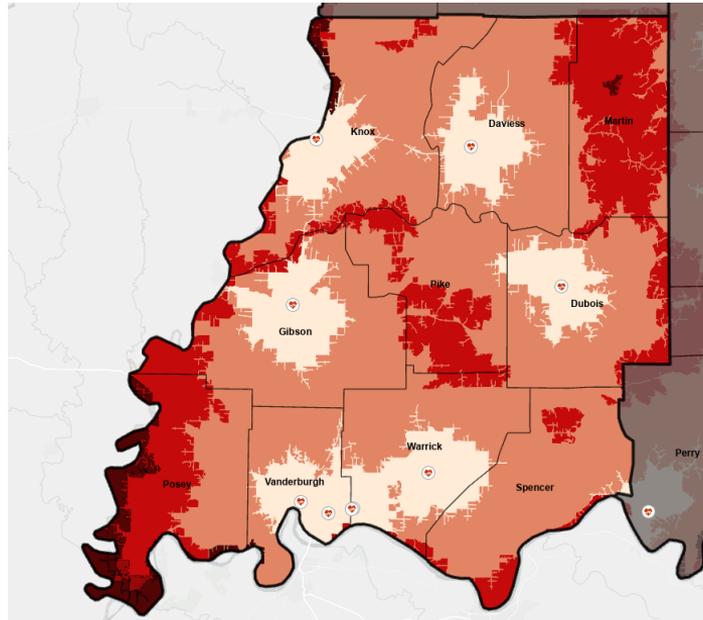
Metric: **Drive-time analysis of local emergency departments*** and
Drive-time analysis of local birthing hospitals*

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

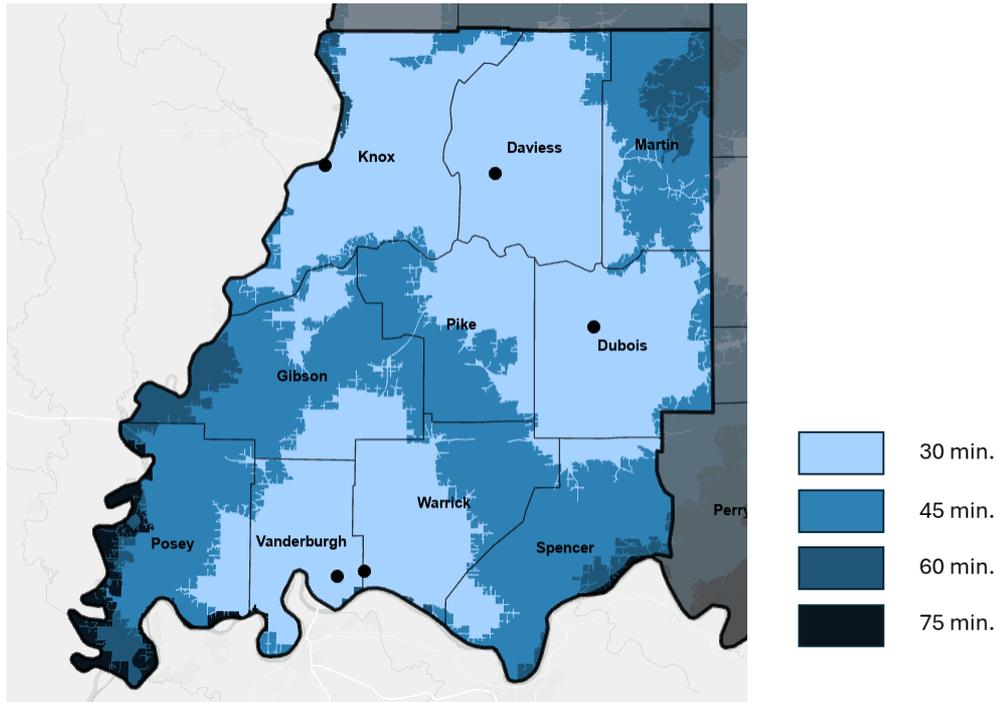
Drive-time to emergency departments



Key takeaways: Large parts of Martin, Pike and Posey county exhibit drive-times of 45 minutes to emergency care in Indiana. Residents in portions of Posey, Martin and Knox counties **may drive 60-75 minutes to receive care at an Indiana facility.**

Geospatial Analysis

Drive-time to birthing hospitals



Key takeaways: All counties in this region exhibit drive-times of 30 to 45 minutes to an Indiana birthing hospital. Some residents in Spencer, Martin, Knox, Gibson and Posey counties **will travel 60 minutes**. Posey county exhibits the **highest drive-times in this region, of 75 minutes to the nearest facility**.