



**KENTUCKY INJURY PREVENTION
AND RESEARCH CENTER**

Injury-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents, 2018–2022

January 2024

Prepared by

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Table 1. Injury-Related Emergency Department Visits and Billing Charges among Pregnant and Postpartum Kentucky Residents, 2018–2022

Year	Number of Emergency Department Visits	Total Cost	Median Cost
2018	2,591	\$4,764,673	\$911
2019	2,689	\$5,788,463	\$1,132
2020	2,115	\$5,586,752	\$1,328
2021	2,263	\$6,133,972	\$1,451
2022	2,166	\$6,172,840	\$1,528
Total	11,824	\$28,446,700	\$1,208

Charges are based on counts that represent encounters of care and reflect hospital billing charges. Counts represent encounters of care and could be greater than the number of individual patients treated.

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Table 2. Injury-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents by Age Group, 2018–2022

Age Group	Count	Percentage (%)
12–17 years old	437	3.7
18–24 years old	5,474	46.3
25–34 years old	5,070	42.9
35–44 years old	823	7.0
45 years and older	20	0.2
Total	11,824	100.0

Counts represent encounters of care and could be greater than the number of individual patients treated. Due to rounding, percentages may not add up precisely to 100%.

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Table 3. Injury-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents by Race, 2018–2022

Race	Count	Percentage (%)
Black	2,420	20.5
White	9,028	76.4
Other	376	3.2
Total	11,824	100.0

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Table 4. Billing Charges for Injury-Related Emergency Department Visits by Injury Cause among Pregnant and Postpartum Kentucky Residents, 2018–2022

Injury Cause	Total Charges (\$)	Median Charges (\$)
Cut/Pierce	\$492,922	\$1,320
Drowning/Submersion	*	*
Fall	\$7,472,414	\$1,177
Fire/Flame	\$21,549	\$718
Hot Object/Substance	\$119,773	\$1,177
Firearm	\$110,506	\$1,390
Machinery	*	*
Motor Vehicle Traffic	\$11,038,652	\$1,383
Motor Vehicle Non-Traffic	\$505,501	\$876
Pedal Cyclist, Other	\$10,243	\$1,175
Pedestrian, Other	\$103,164	\$3,016
Other Land Transport	\$194,625	\$2,042
Other Transport	\$55,517	\$3,284
Bite and Sting	\$681,864	\$1,004
Natural/Environmental	\$145,193	\$1,018
Overexertion	\$791,567	\$1,042
Poisoning, Drug	\$575,974	\$2,791
Poisoning, Non-Drug	\$148,163	\$1,324
Struck by/Against	\$3,672,990	\$1,155
Suffocation	\$64,392	\$145
Intimate Partner Violence	\$235,753	\$1,500
Foreign Body	\$116,586	\$1,004
Other Specified, Not Elsewhere Classifiable	\$1,876,137	\$1,184

Charges are based on counts that represent encounters of care and reflect hospital billing charges. Counts represent encounters of care and could be greater than the number of individual patients treated. *Certain cells have been suppressed because either 1) the observed number of events is very small (a count of at least one but less than five) and not appropriate for publication or 2) the observed number could be used to calculate the number in a cell that has been suppressed.

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Table 5. Billing Charges for Injury-Related Emergency Department Visits by Injury Intent among Pregnant and Postpartum Kentucky Residents, 2018–2022

Injury Intent	Count	Total Charges (\$)	Median Charges (\$)
Unintentional	10,427	\$24,487,548	\$1,184
Self-Harm	*	*	*
Assault	1,300	\$3,558,940	\$1,327
Undetermined	*	*	*

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Table 6. Injury-Related Emergency Department Visits by Injury Cause and Intent among Pregnant and Postpartum Kentucky Residents, 2018–2022

Injury Cause	Injury Intent			
	Unintentional	Self-Harm	Assault	Undetermined
Cut/Pierce	238	22	*	*
Drowning/Submersion	*	0	0	0
Fall	*	0	*	0
Fire/Flame	*	0	*	0
Hot Object/Substance	*	*	0	0
Firearm	13	0	0	0
Machinery	8	0	0	0
Motor Vehicle Traffic	3,426	0	*	*
Motor Vehicle Non-Traffic	183	0	0	0
Pedal Cyclist, Other	9	0	0	0
Pedestrian, Other	19	0	0	0
Other Land Transport	46	0	0	0
Other Transport	8	0	0	0
Bite and Sting	*	0	0	*
Natural/Environmental	78	0	0	0
Overexertion	524	0	0	0
Poisoning, Drug	105	43	*	*
Poisoning, Non-Drug	64	*	*	0
Struck by/Against	*	0	946	0
Suffocation	8	*	13	*
Intimate Partner Violence	*	0	*	0
Foreign Body	39	0	0	0
Other Specified, Not Elsewhere Classifiable	669	*	236	0

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Table 7. Billing Charges for Fall-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents, 2018–2022

Count	Total Charges (\$)	Median Charges (\$)
3,869	\$7,472,414	\$1,177

Charges are based on counts that represent encounters of care and reflect hospital billing charges. Counts represent encounters of care and could be greater than the number of individual patients treated.

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Table 8. Discharge Status of Fall-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents, 2018–2022

Discharge Status	Count	Percentage (%)
Routine Discharge (Home/Self Care)	3,774	97.5
Left/Discontinued Care	53	1.4
Another Health Care Facility	26	0.7
Law Enforcement	8	0.2
Home Health	*	*
Hospice	*	*
Unknown	*	*
Deceased	0	0.0
Total	3,869	100.0

Counts represent encounters of care and could be greater than the number of individual patients treated. Due to rounding, percentages may not add up precisely to 100%. *Certain cells have been suppressed because either 1) the observed number of events is very small (a count of at least one but less than five) and not appropriate for publication or 2) the observed number could be used to calculate the number in a cell that has been suppressed.

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Table 9. Billing Charges for Motor Vehicle Traffic and Non-Traffic Collision Injury-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents by Age Group, 2018–2022

Age Group	Count	Total Charges (\$)	Median Charges (\$)
12–17 years old	*	*	*
18–24 years old	1,696	\$5,114,178	\$1,363
25–34 years old	1,536	\$5,180,305	\$1,376
35–44 years old	255	\$829,922	\$1,550
45 years and older	*	*	*
Total	3,613	\$11,545,596	\$1,376

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Table 10. Discharge Status of Motor Vehicle Traffic and Non-Traffic Collision Injury-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents, 2018–2022

Discharge Status	Count	Percentage (%)
Routine Discharge (Home/Self Care)	3,481	96.4
Left/Discontinued Care	71	2.0
Another Health Care Facility	50	1.4
Law Enforcement	5	0.1
Unknown	*	*
Home Health	*	*
Hospice	*	*
Deceased	0	0.0
Total	3,613	100.0

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Table 11. Billing Charges for Drug Poisoning-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents by Age Group, 2018–2022

Age Group	Count	Total Charges (\$)	Median Charges (\$)
12–17 years old	*	*	*
18–24 years old	66	\$228,292	\$2,311
25–34 years old	75	\$282,505	\$3,431
35–44 years old	10	\$50,204	\$4,115
45 years and older	*	*	*
Total	156	\$575,974	\$2,791

Charges are based on counts that represent encounters of care and reflect hospital. *Certain cells have been suppressed because either 1) the observed number of events is very small (a count of at least one but less than five) and not appropriate for publication or 2) the observed number could be used to calculate the number in a cell that has been suppressed.

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Table 12. Discharge Status of Drug Poisoning-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents, 2018–2022

Discharge Status	Count	Percentage (%)
Routine Discharge (Home/Self Care)	120	76.9
Another Health Care Facility	23	14.7
Left/Discontinued Care	*	*
Law Enforcement	*	*
Deceased	0	0.0
Home Health	0	0.0
Hospice	0	0.0
Unknown	0	0.0
Total	156	100.0

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Table 11. Billing Charges for Intimate Partner Violence-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents by Age Group, 2018–2022

Age Group	Count	Total Charges (\$)	Median Charges (\$)
12–17 years old	*	*	*
18–24 years old	51	\$99,281	\$1,004
25–34 years old	29	\$101,020	\$2,177
35–44 years old	*	*	*
45 years and older	0	\$0	\$0
Total	89	\$235,753	\$1,500

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Table 12. Discharge Status of Intimate Partner Violence Injury-Related Emergency Department Visits among Pregnant and Postpartum Kentucky Residents, 2018-2022

Discharge Status	Count	Percentage (%)
Routine Discharge (Home/Self Care)	85	95.5
Left/Discontinued Care	*	*
Another Health Care Facility	*	*
Deceased	0	0.0
Home Health	0	0.0
Hospice	0	0.0
Law Enforcement	0	0.0
Unknown	0	0.0
Total	89	100.0

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Definitions

Pregnancy and postpartum cases were defined by any of the following ICD-10-CM codes in any field: Z3A, Z33, Z39, O9A with a 4th character of 2, 3, or 4.

Fall injuries were defined by any of the following ICD-10-CM codes in any field: V000 with a 6th character of 1, W00–W15, W16 with a 6th character of 2, W16.42, W16.92, W17, W18.1–W18.3, or W19.

Motor vehicle injuries were defined by any of the following ICD-10-CM codes in any field: V20.0–V29.0 with a 4th character of 0 or 4, V02.0–V04.0, V09.0, V09.2, V12.0–V14.0, V19.0, V19.2, V19.4, V19.6, V30.0–V79.0, V80.3–V80.5, V81.0, V81.1, V82.0, V82.1, V86.0, V87.0–V87.8, V88.0–V88.8, V89.0, or V89.2 with a 4th character of 0 or 5 and a 7th character of 'A' or missing.

Drug poisoning injuries were defined by any of the following ICD-10-CM codes in any field: T36–T50 with a 6th character of 1, 2, 3, or 4, and T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, or T49.9 with a 5th character of 1, 2, 3, or 4.

Intimate partner violence injuries were defined by any of the following ICD-10-CM codes in any field: T74 with a 4th character of 0, 1, 2, 4, 5, 6, or 9, and T76 with a 4th character of 0, 1, 2, 4, 5, 6, or 9.

Data Source

Kentucky Outpatient Services Database Files, Office of Health Data and Analytics, Cabinet for Health and Family Services.

Disclaimers

Data are provisional and subject to change. Counts greater than zero but less than five are suppressed in accordance with state data management policy.

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