



**KENTUCKY INJURY PREVENTION
AND RESEARCH CENTER**

Cannabis Use among Kentucky Residents by Age Group, Sex, and Race, 2018–2024

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You may receive an email from KIPRC staff with a brief follow-up survey regarding this data report; thank you in advance for helping us to improve our services.



Table 1. Count of Cannabis-Related Emergency Department Visits among Kentucky Residents by Age Group, 2018–2024

	Year	Age Group		
		<18	18–24	25+
Any cannabis-related disorder	2018	857	3,314	13,479
	2019	1,077	3,451	14,486
	2020	905	3,617	14,799
	2021	1,112	4,001	16,182
	2022	1,368	4,000	16,164
	2023	1,730	4,219	16,637
	2024	1,687	4,173	16,942
Cannabis abuse, dependence, and unspecified use with intoxication	Year	Age Group		
		<18	18–24	25+
	2018	53	114	401
	2019	71	78	248
	2020	77	131	344
	2021	111	100	283
	2022	125	111	286
	2023	199	137	433
	2024	180	160	500
Cannabis poisoning	Year	Age Group		
		<18	18–24	25+
	2018	37	65	275
	2019	42	84	226
	2020	41	74	218
	2021	86	72	168
	2022	89	42	132
	2023	148	58	205
	2024	212	62	254
Synthetic cannabis poisoning	Year	Age Group		
		<18	18–24	25+
	2018	0	0	0
	2019	0	0	0
	2020	0	0	0
	2021	*	*	*
	2022	8	11	24
	2023	17	8	39
	2024	23	13	34

*Counts greater than zero but less than five are suppressed in accordance with state data management policy. For some years, the second lowest count has been censored to protect a suppressed value.

Table 1 Cont'd. Count of Cannabis-Related Emergency Department Visits among Kentucky Residents by Age Group, 2018–2024

	Year	Age Group		
		<18	18–24	25+
Adverse effect of cannabis	2018	9	24	63
	2019	18	23	68
	2020	8	20	60
	2021	15	26	61
	2022	22	27	78
	2023	45	37	127
	2024	43	40	175
Cannabis with psychotic disorder	Age Group			
	Year	<18	18–24	25+
	2018	6	39	108
	2019	6	31	101
	2020	8	40	131
	2021	6	26	125
	2022	*	*	108
	2023	14	25	88
	2024	13	31	140
Cannabis with other and unspecified cannabis induced disorder	Age Group			
	Year	<18	18–24	25+
	2018	16	180	490
	2019	38	174	421
	2020	33	182	398
	2021	19	121	335
	2022	55	145	352
	2023	67	161	364
	2024	93	180	549
Cannabis Hyperemesis Syndrome	Age Group			
	Year	<18	18–24	25+
	2018	14	106	198
	2019	24	102	244
	2020	22	228	463
	2021	64	408	663
	2022	97	358	719
	2023	100	515	767
	2024	141	604	1,055

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Table 2. Count of Cannabis-Related Emergency Department Visits among Kentucky Residents by Sex, 2018–2024

	Year	Sex		
		Female	Male	Other
Any cannabis-related disorder	2018	6,856	10,794	0
	2019	7,458	11,556	0
	2020	7,441	11,880	0
	2021	*	12,703	*
	2022	*	12,488	*
	2023	9,620	12,961	5
	2024	*	12,756	*
Cannabis abuse, dependence, and unspecified use with intoxication	Year	Sex		
		Female	Male	Other
	2018	185	383	0
	2019	142	255	0
	2020	205	347	0
	2021	206	288	0
	2022	242	280	0
	2023	355	414	0
	2024	351	489	0
Cannabis poisoning	Year	Sex		
		Female	Male	Other
	2018	119	258	0
	2019	136	216	0
	2020	144	189	0
	2021	150	176	0
	2022	113	150	0
	2023	*	233	*
	2024	227	301	0
Synthetic cannabis poisoning	Year	Sex		
		Female	Male	Other
	2018	0	0	0
	2019	0	0	0
	2020	0	0	0
	2021	*	*	0
	2022	18	25	0
	2023	16	48	0
	2024	25	45	0

*Counts greater than zero but less than five are suppressed in accordance with state data management policy. For some years, the second lowest count has been censored to protect a suppressed value.

Table 2 Cont'd. Count of Cannabis-Related Emergency Department Visits among Kentucky Residents by Sex, 2018–2024

	Year	Sex		
		Female	Male	Other
Adverse effect of cannabis	2018	39	57	0
	2019	47	62	0
	2020	42	46	0
	2021	47	55	0
	2022	63	64	0
	2023	114	95	0
	2024	142	116	0
Cannabis with psychotic disorder	Year	Sex		
		Female	Male	Other
	2018	54	99	0
	2019	41	97	0
	2020	63	116	0
	2021	*	97	*
	2022	62	79	0
	2023	48	79	0
	2024	61	123	0
Cannabis with other and unspecified cannabis induced disorder	Year	Sex		
		Female	Male	Other
	2018	277	409	0
	2019	273	360	0
	2020	275	338	0
	2021	210	265	0
	2022	303	249	0
	2023	296	296	0
	2024	392	430	0
Cannabis Hyperemesis Syndrome	Year	Sex		
		Female	Male	Other
	2018	155	163	0
	2019	169	201	0
	2020	339	374	0
	2021	625	510	0
	2022	628	*	*
	2023	765	617	0
	2024	1,055	745	0

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Table 3. Count of Cannabis-Related Emergency Department Visits among Kentucky Residents by Race, 2018–2024

	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
Any cannabis-related disorder	2018	3,815	13,449	218	168
	2019	4,218	14,383	261	152
	2020	4,253	14,584	292	192
	2021	4,799	15,907	348	241
	2022	4,473	16,404	429	226
	2023	4,792	16,953	573	268
	2024	4,510	17,490	547	255
Cannabis abuse, dependence, and unspecified use with intoxication	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
	2018	169	386	*	*
	2019	100	284	8	5
	2020	149	382	15	6
	2021	99	366	16	13
	2022	113	388	14	7
	2023	152	559	33	25
	2024	170	604	53	13
Cannabis poisoning	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
	2018	108	257	6	6
	2019	70	263	12	7
	2020	83	237	10	*
	2021	73	233	11	9
	2022	45	199	8	11
	2023	74	307	20	10
	2024	108	360	45	15
Synthetic cannabis poisoning	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
	2018	0	0	0	0
	2019	0	0	0	0
	2020	0	0	0	0
	2021	*	*	0	0
	2022	12	31	0	0
	2023	14	43	*	*
	2024	20	45	*	*

*Counts greater than zero but less than five are suppressed in accordance with state data management policy. For some years, the second lowest count has been censored to protect a suppressed value.

Table 3 Cont'd. Count of Cannabis-Related Emergency Department Visits among Kentucky Residents by Race, 2018–2024

	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
Adverse effect of cannabis	2018	16	76	*	*
	2019	28	75	*	*
	2020	23	61	*	*
	2021	14	83	*	*
	2022	15	103	*	*
	2023	31	163	15	0
	2024	42	199	10	7
Cannabis with psychotic disorder	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
	2018	28	120	*	*
	2019	23	111	*	*
	2020	33	141	*	*
	2021	41	111	*	*
	2022	30	107	*	*
	2023	23	100	*	*
	2024	40	132	*	*
Cannabis with other and unspecified cannabis induced disorder	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
	2018	122	554	*	*
	2019	155	457	13	8
	2020	166	435	*	*
	2021	101	362	5	7
	2022	116	409	20	7
	2023	119	447	19	7
	2024	159	633	12	18
Cannabis Hyperemesis Syndrome	Year	Race			
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other
	2018	81	230	*	*
	2019	93	263	9	5
	2020	210	491	7	5
	2021	297	797	24	17
	2022	299	845	20	10
	2023	340	984	41	17
	2024	361	1,376	46	17

*Counts greater than zero but less than five are suppressed in accordance with state data management policy. For some years, the second lowest count has been censored to protect a suppressed value.

Table 4. Fatalities with Cannabis Poisoning-Related Injury as a Contributing Cause[†] among Kentucky Residents by Age Group, Sex, and Race, 2018–2024

Fatalities with cannabis poisoning as a contributing cause	Year	Age Group				
		<18	18–24	25+		
	2018	*	*	66		
	2019	0	6	71		
	2020	0	14	66		
	2021	*	*	92		
	2022	*	*	95		
	2023	*	*	69		
	2024	0	*	*		
	Year	Sex				
		Female	Male	Other		
	2018	20	58	0		
	2019	27	50	0		
	2020	13	67	0		
	2021	34	71	0		
	2022	41	73	0		
	2023	26	57	0		
	2024	19	41	0		
	Year	Race				
		Non-Hispanic Black	Non-Hispanic White	Hispanic	Other	
	2018	*	70	*	0	
	2019	13	64	0	0	
	2020	*	71	*	0	
	2021	18	84	*	*	
	2022	25	86	*	*	
	2023	21	58	*	*	
	2024	*	48	*	0	

[†]Cannabis poisoning as a contributing cause of death was identified based on the presence of ICD-10-CM code T40.7 on the death certificate. Deaths identified in this manner likely involve other substances in addition to cannabis and may also include deaths induced by polysubstance overdose.

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Definitions

Nonfatal drug overdoses include events with any diagnostic code of T36–T50. Fatalities with cannabis poisoning-related injury as a contributing cause include both drug overdose and non-overdose deaths.

Hospital encounters with a diagnosis of cannabis abuse, dependence, and unspecified use with intoxication was defined by the presence of ICD-10-CM codes F12.12, F12.22, or F12.92 using an any mention approach; cannabis-induced disorder is not included in this definition. Cannabis poisoning was defined by the presence of T40.7 ICD-10-CM with a 7th character of A or missing in an any mention approach.

Indicator	ICD-10 Code
Any cannabis-related encounter	F12
Cannabis abuse, dependence, and unspecified use	F12.12, F12.22, or F12.92
Cannabis poisoning	T40.7 with a 5 th digit of X or 1 & 6 th digit of 1–4 & 7 th digit of A or missing
Synthetic cannabis poisoning	T40.7 with 5 th digit of 2 & 6 th digit of 1–4 & 7 th digit of A or missing
Adverse effect of cannabis	T40.7 with 6 th digit of 5 & 7 th digit of A or missing
Cannabis with psychotic disorder	F12 with 5 th digit of 5
Cannabis with other and unspecified cannabis-induced disorders	F12 with 5 th digit of 8 or 9
Cannabis Hyperemesis Syndrome	F12 and R111 or R112
Cannabis poisoning-related injury as a contributing cause of death	T40.7

For nonfatal drug overdoses, counts represent the number of visits and may be greater than the number of patients treated.

Data Sources

Emergency department visits: Kentucky Outpatient Services Database, Office of Data and Analytics, Cabinet for Health and Family Services

Deaths: Kentucky Death Certificate Database, Kentucky Office of Vital Statistics, 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. For some years, the second lowest count has been censored to protect a suppressed value.

The impact of the COVID-19 pandemic that started in 2020 should be considered when interpreting data and trend analyses

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