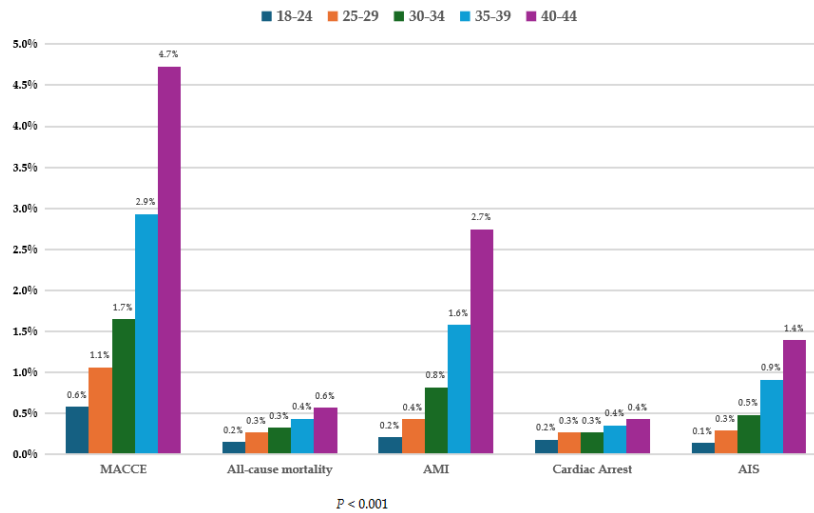
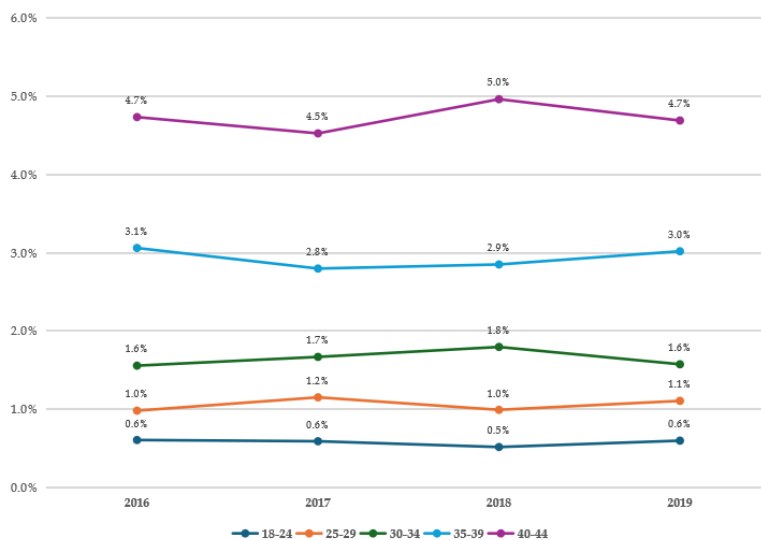


Supplementary Figures and Tables



Supplementary Figure 1 Age specific analysis of rates of major adverse cardiac and cerebrovascular events, all-cause mortality, acute myocardial infarction, cardiac arrest and ischemic stroke in hospitalized young adults (18-24 years, 25-29 years, 30-34 years, 35-39 years, 40-44 years) with cannabis use disorder. AMI: acute myocardial infarction; MACCE: major adverse cardiac and cerebrovascular events; AIS: acute ischemic stroke.



Supplementary Figure 2 Trends in hospitalizations of major adverse cardiac and cerebrovascular events among cannabis use disorder+ cohort stratified by age groups (18-24 years, 25-29 years, 30-34 years, 35-39 years, 40-44 years).

Supplementary Table 1 Baseline characteristics comparison between cannabis use disorder+ vs cannabis use disorder-cohorts

	CUD- (<i>n</i> = 26323036) (95.8%)	CUD+ (<i>n</i> = 1152700) (4.2%)	Total young hospitalizations b/w 2016-2019 without tobacco, alcohol or cocaine abuse (<i>n</i> = 27475735)	<i>P</i> value
	Column	Column	Column	
Age (years) at admission, median (interquartile range)	31 (25, 36)	28 (23, 35)	31 (25, 36)	< 0.001
Sex				
Male	21.6	56.8	23.1	< 0.001
Female	78.4	43.2	76.9	
Race				
White	54.3	54.0	54.3	< 0.001
Black	19.5	30.9	20.0	
Hispanic	20.5	12.7	20.1	
Asian/PI	5.0	1.3	4.8	
Native American	0.8	1.1	0.8	
0-25	30.6	40.0	30.9	< 0.001

Median household income national quartile for patient ZIP code	26-50	25.4	26.1	25.4	
	51-75	23.9	20.5	23.8	
	76-100	20.2	13.4	19.9	
Payer type	Medicare	5.9	8.9	6.0	< 0.001
	Medicaid	38.7	51.2	39.2	
	Private	48.3	25.6	47.4	
	Self-pay	6.6	13.3	6.9	
	No charge	0.5	1.0	0.5	
Hypertension	No	87.4	84.0	87.3	< 0.001
	Yes	12.6	16.0	12.7	
Diabetes mellitus	No	90.5	92.1	90.6	< 0.001
	Yes	9.5	7.9	9.4	
Hyperlipidemia	No	95.7	95.2	95.6	< 0.001
	Yes	4.3	4.8	4.4	
Valvular heart disease	No	99.7	99.7	99.7	0.003

	Yes	0.3	0.3	0.3	
Obesity	No	85.7	90.2	85.9	< 0.001
	Yes	14.3	9.8	14.1	
Peripheral vascular disease	No	99.4	99.3	99.4	< 0.001
	Yes	0.6	0.7	0.6	
Prior myocardial infarction	No	99.5	99.2	99.5	< 0.001
	Yes	0.5	0.8	0.5	
Prior stroke/ transient ischemic attack	No	99.2	99.1	99.2	< 0.001
	Yes	0.8	0.9	0.8	
Hypothyroidism	No	95.5	97.6	95.6	< 0.001
	Yes	4.5	2.4	4.4	
Chronic pulmonary disease	No	91.8	87.1	91.6	< 0.001
	Yes	8.2	12.9	8.4	
Cancer	No	98.2	99.0	98.2	< 0.001
	Yes	1.8	1.0	1.8	
Depression	No	92.9	86.4	92.7	< 0.001

Yes	7.1	13.6	7.3
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$P < 0.05$ is considered significant.