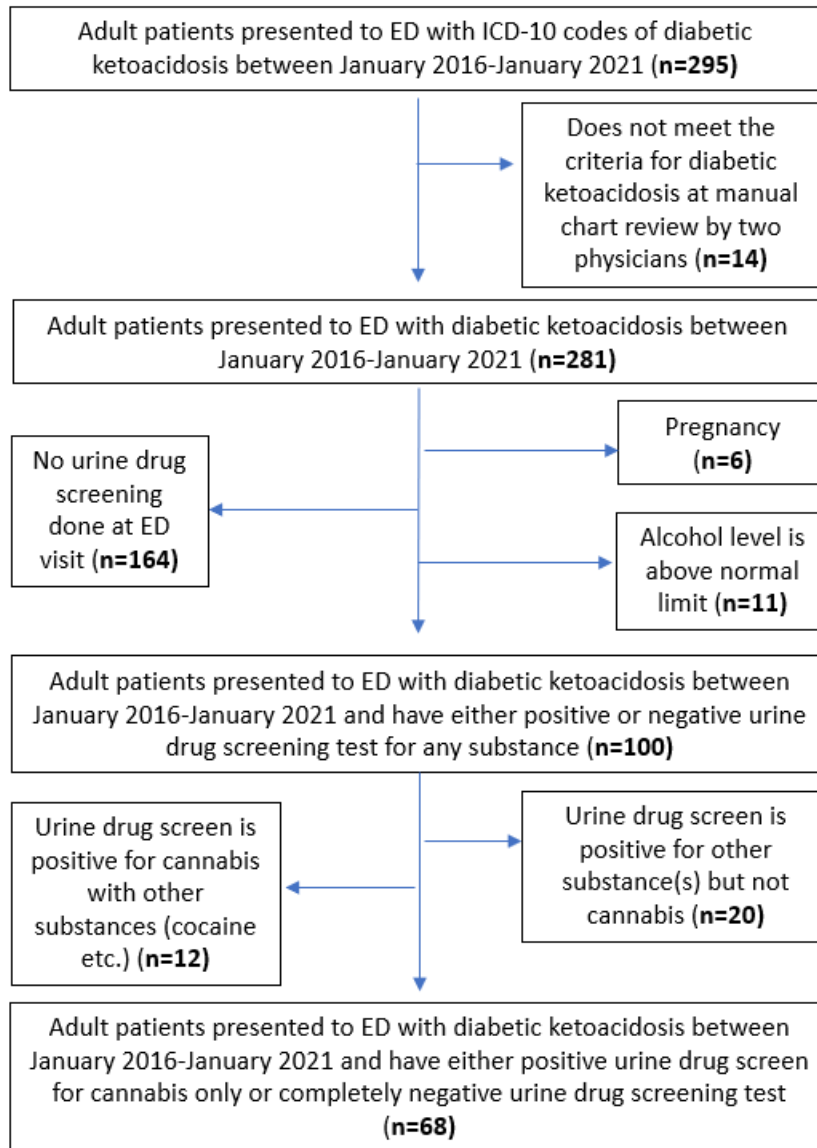


Supplemental Appendix

Supplementary Figure-1: Flowchart of the study



Supplementary Table-1: Baseline characteristics of participants

	Cannabis users	Non-cannabis users
Age*	23.6 (8.2)	28.2 (6.5)
Gender (Female %)	59	54
Caucasian (%)	59	64
Hispanic (%)	29	26
African American (%)	10	8
Others (%)	2	2
Diabetes duration*	8.2 (4.3)	11.1 (3.7)

*Mean (SD)

Cannabis use was determined based on urine drug screen

Supplementary Table-2: Cannabis users vs non-users in patients presented with symptoms of Diabetic Ketoacidosis

	Cannabis Users	Non-Cannabis Users
pH \geq 7.4	78 (96%)	3 (4%)
Bicarbonate \geq 15	73 (91%)	7 (9%)
pH \geq 7.4 and Bicarbonate \geq 15	72 (97%)	2 (3%)

Results are n (%)

Supplementary Table-3: Sensitivity analysis of using different BHB cut offs to diagnose HK-CHS in cannabis users vs non-cannabis users

	BHB \geq 0.6 mmol/L		BHB \geq 3.0 mmol/L	
	No Cannabis	Cannabis	No Cannabis	Cannabis
pH	7.02 \pm 0.02	7.43 \pm 0.02**	7.09 \pm 0.02	7.40 \pm 0.2**
Anion gap	23.9 \pm 0.71	21.0 \pm 0.61*	24.1 \pm 0.76	21.61 \pm 0.73
HCO ₃	9.18 \pm 0.72	19.21 \pm 0.61**	9.03 \pm 0.76	18.45 \pm 0.74**
Sensitivity	97%		99%	
Specificity	95%		98%	
ROC AUC for HK-CHS	0.9890		0.9890	

*p: <0.01 **p: <0.001

ROC: Receiver operating characteristic

AUC: Area under curve

HK-CHS: Hyperglycemic ketosis due to cannabis hyperemesis syndrome