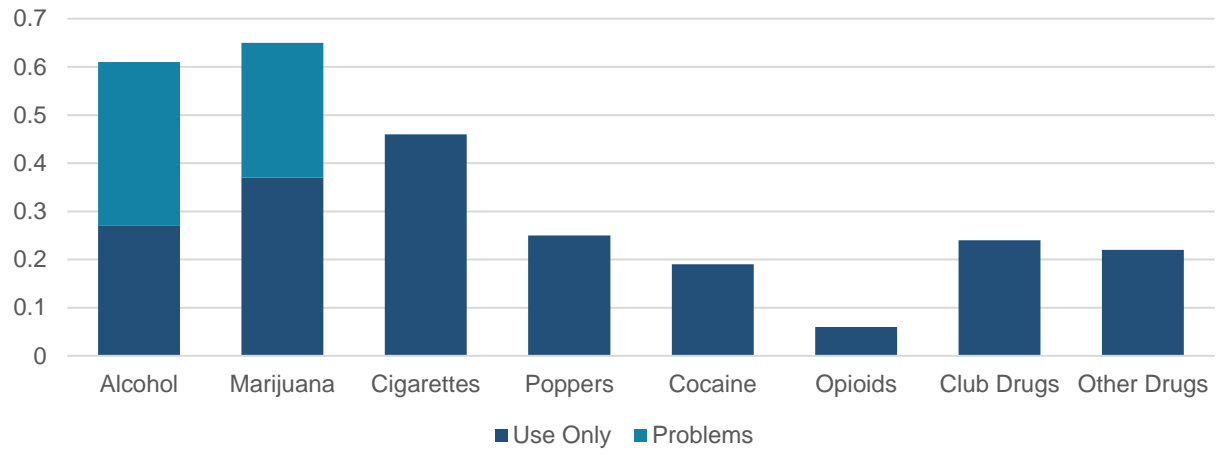


Substance Use Prevalence Rates for Full Sample

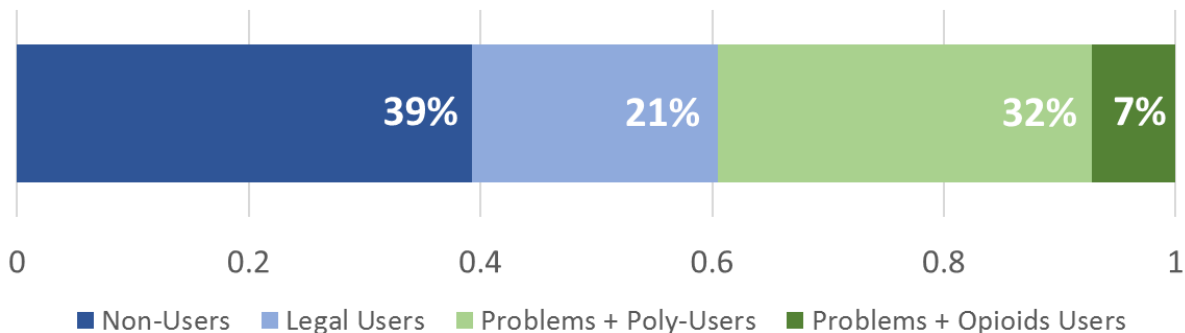


Model Fit Information for Latent Class Analyses

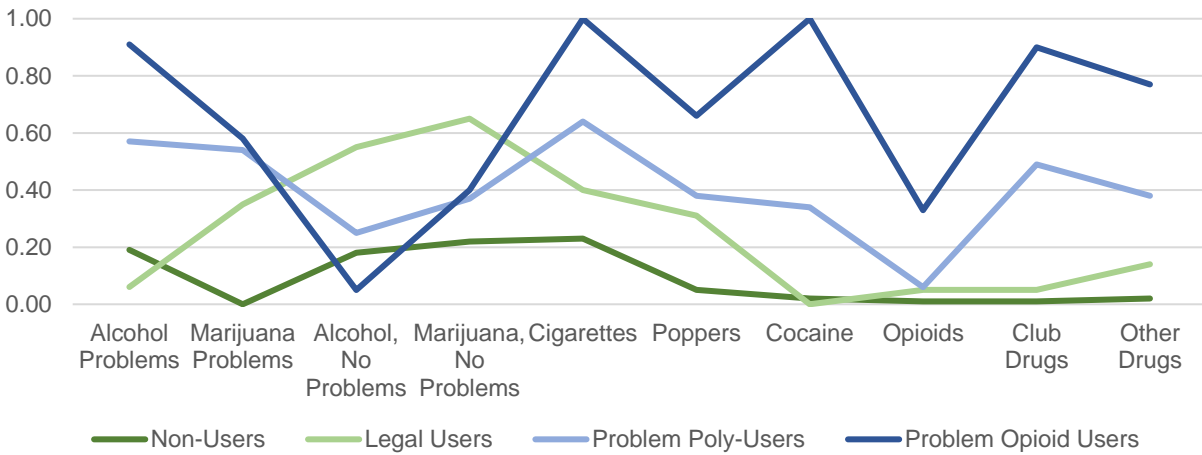
No. of classes	No. of Free Parameters	Log-Likelihood	AIC	BIC	a-BIC	a-BIC Difference	Entropy	% Match
1	9	-2302.25	836.30	877.35	845.62	--	--	100
2	18	-2080.62	415.04	501.24	434.59	-411.03	0.76	100
3	27	-2052.71	381.22	512.58	411.02	-23.57	0.68	90
4	36	-2038.98	375.75	552.26	415.79	4.77	0.72	29
5	45	-2028.13	376.06	597.72	426.34	10.55	0.79	8
6	54	-2019.63	381.05	647.86	441.58	15.24	0.69	29
7	63	-2012.51	388.82	700.79	459.59	18.01	0.80	1
8	72	-2004.00	393.81	750.92	474.82	15.23	0.86	1

Note. Boldface type indicates selected model. AIC=Akaike information criteria; BIC=Bayesian information criterion; a-BIC=sample size adjusted BIC; BLRT=bootstrapped likelihood ration test.

Class Membership Prevalence Probabilities



Latent Class Substance Use Item Response Probabilities



Parameter Estimates for Four Class Model

			Non Users	Legal Users	Problem Poly-Users	Problem Opioid Users
<u>Latent class membership probabilities</u>			39%	21%	32%	7%
Overall			Item-response probabilities			
Alcohol	No Use	0.39	0.63	0.39	0.19	0.04
	No Problem, Use	0.27	0.18	0.55	0.25	0.05
	Problem Use	0.34	0.19	0.06	0.57	0.91
Marijuana	No Use	0.34	0.78	0.00	0.08	0.02
	No Problem, Use	0.37	0.22	0.65	0.37	0.40
	Problem Use	0.28	0.00	0.35	0.54	0.58
Cigarettes	No Use	0.54	0.77	0.60	0.36	0.00
	Use	0.46	0.23	0.40	0.64	1.00
Poppers	No Use	0.75	0.95	0.69	0.62	0.34
	Use	0.25	0.05	0.31	0.38	0.66
Cocaine	No Use	0.81	0.98	1.00	0.66	0.00
	Use	0.19	0.02	0.00	0.34	1.00
Opioids	No Use	0.94	0.99	0.95	0.94	0.67
	Use	0.06	0.01	0.05	0.06	0.33
Club Drugs	No Use	0.76	0.99	0.95	0.51	0.10
	Use	0.24	0.01	0.05	0.49	0.90
Other Drugs	No Use	0.78	0.98	0.86	0.62	0.23
	Use	0.22	0.02	0.14	0.38	0.77