

2004-2006 SubState Report of Substance Use
Section C: Tables of Model-Based Estimates for Substate Regions

Table C2. Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older

State / Substate Region (Substance Abuse Regional Coordinating Agencies - CAs)	Census 2006 Estimates For Persons Aged 12 and Older ^A	Marijuana Use in Past Month				Average Annual Rate of First Use of Marijuana ¹				Perceptions of Great Risk of Smoking Marijuana Once a Month			
		Percent of Population ^B		Estimated Population ^C		Percent of Population ^B		Estimated Population ^C		Percent of Population ^B		Estimated Population ^C	
		Point Estimate	95% Confidence Interval	Point Estimate	95% Confidence Interval	Point Estimate	95% Confidence Interval	Point Estimate	95% Confidence Interval	Point Estimate	95% Confidence Interval	Point Estimate	95% Confidence Interval
National		6.05	5.88 - 6.23			1.65	1.60 - 1.70			39.15	38.75 - 39.56		
Michigan	8,514,856	6.79	6.25 - 7.37	578,000	532,000 - 628,000	1.96	1.82 - 2.12	167,000	155,000 - 181,000	35.97	34.63 - 37.34	3,063,000	2,949,000 - 3,179,000
Detroit Dept. of Health	728,807	9.75	7.94 - 11.91	71,000	58,000 - 87,000	2.00	1.62 - 2.46	15,000	12,000 - 18,000	42.85	39.10 - 46.69	312,000	285,000 - 340,000
Genesee County CMH	368,450	7.75	6.12 - 9.76	29,000	23,000 - 36,000	1.87	1.46 - 2.40	7,000	5,000 - 9,000	33.87	29.72 - 38.29	125,000	110,000 - 141,000
Kalamazoo CMH	456,569	6.36	5.10 - 7.89	29,000	23,000 - 36,000	2.23	1.80 - 2.76	10,000	8,000 - 13,000	36.29	32.53 - 40.23	166,000	149,000 - 184,000
Lakeshore Coord. Council	592,903	5.42	4.34 - 6.76	32,000	26,000 - 40,000	1.87	1.52 - 2.31	11,000	9,000 - 14,000	39.03	35.13 - 43.08	231,000	208,000 - 255,000
Macomb County CMH	707,482	6.27	5.01 - 7.82	44,000	35,000 - 55,000	1.88	1.52 - 2.33	13,000	11,000 - 16,000	32.78	29.23 - 36.55	232,000	207,000 - 259,000
Mid-South Sub Abuse Com. network180	902,111	7.15	5.90 - 8.64	65,000	53,000 - 78,000	2.34	1.91 - 2.85	21,000	17,000 - 26,000	33.07	29.78 - 36.54	298,000	269,000 - 330,000
Northern MI S.A. Srv.	491,015	6.17	4.88 - 7.78	30,000	24,000 - 38,000	1.90	1.52 - 2.38	9,000	7,000 - 12,000	35.20	31.11 - 39.52	173,000	153,000 - 194,000
Oakland County Health Div.	744,839	5.87	4.62 - 7.42	44,000	34,000 - 55,000	1.88	1.54 - 2.30	14,000	11,000 - 17,000	37.57	33.77 - 41.53	280,000	252,000 - 309,000
Pathways to Healthy Living	1,024,018	7.93	6.59 - 9.51	81,000	67,000 - 97,000	1.75	1.45 - 2.11	18,000	15,000 - 22,000	31.32	28.26 - 34.56	321,000	289,000 - 354,000
Riverhaven Coord. Agency	177,570	7.41	5.46 - 10.00	13,000	10,000 - 18,000	2.02	1.49 - 2.74	4,000	3,000 - 5,000	35.05	29.87 - 40.55	62,000	53,000 - 72,000
Saginaw County Health Dpt.	303,086	5.48	4.15 - 7.22	17,000	13,000 - 22,000	1.58	1.22 - 2.06	5,000	4,000 - 6,000	38.36	33.92 - 43.00	116,000	103,000 - 130,000
SE MI Community Alliance	174,019	6.71	4.92 - 9.09	12,000	9,000 - 16,000	2.03	1.49 - 2.75	4,000	3,000 - 5,000	37.17	31.98 - 42.66	65,000	56,000 - 74,000
St. Clair County Hlth. Dpt.	1,032,627	5.91	4.88 - 7.14	61,000	50,000 - 74,000	1.81	1.51 - 2.16	19,000	16,000 - 22,000	39.49	36.11 - 42.98	408,000	373,000 - 444,000
Washtenaw Cmnty.Hlth.Org	263,671	5.31	3.91 - 7.18	14,000	10,000 - 19,000	1.73	1.29 - 2.30	5,000	3,000 - 6,000	38.32	33.27 - 43.64	101,000	88,000 - 115,000
Western UP S.A. Srv.	451,127	7.17	5.70 - 8.98	32,000	26,000 - 41,000	2.82	2.22 - 3.57	13,000	10,000 - 16,000	29.17	25.57 - 33.06	132,000	115,000 - 149,000
	96,562	5.38	3.86 - 7.46	5,000	4,000 - 7,000	1.75	1.27 - 2.42	2,000	1,000 - 2,000	37.43	31.90 - 43.31	36,000	31,000 - 42,000

¹ Average Annual Rate = 100 * [(Number of Marijuana Initiates in past 24 months)/((Number of Marijuana Initiates in past 24 months * 0.5) + Number of persons who never used marijuana)/2]. Both the computation components, Number of Marijuana Initiates in past 24 months and Number of persons who never used marijuana, are based on a survey-weighted hierarchical Bayes estimation approach. Note that the age group is based on a respondent's age at the time of the interview, not his or her age at first use. The prediction intervals for Average Annual Rate of First Use of Marijuana use a simultaneous solution for First Use of Marijuana and Never Used Marijuana outcomes, which had random effects that were allowed to be correlated across the two outcomes. The associated Markov Chain Monte Carlo chains were used to calculate the posterior variance.

^A 2006 census estimates provided by Library of Michigan, State Demographer, Ken Darga.

^B Substance Abuse estimated percentages, annual averages are calculated from research provided by SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health (NSDUH) - 2004, 2005, and 2006. <http://www.oas.samhsa.gov/substate2k8/substate.pdf>

^C Population estimates are rounded to nearest 1,000.

NOTE: Percentage estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.