

Supplement Table 1. Age adjusted prevalence of chronic diseases of adults 20-59 years old who were self-identified as marijuana-users or non-marijuana-users (N=10,896).

	Non-marijuana-users Weighted %	Marijuana-users (Weighted %)
Diabetes Mellitus	4.3	2.9*
Hypertension	17.8	18.9
Stroke	0.69	0.32
Myocardial infarction	1.1	1.2
Heart failure	0.66	0.82

\* P<0.001

Supplement Table 2. Prevalence of marijuana use by DM as diagnosed by self-report and compared to laboratory evidence of hyperglycemia

Diagnosis	Total population		Population with DM			
	Without DM	*With DM	DM diagnosed by yes to self-report	DM diagnosed by FBG $\geq$ 126	DM diagnosed by yes to self-report and FBG $\geq$ 126	DM diagnosed by yes to self-report and FBG <126
<b>n</b>	<b>10,165</b>	<b>719</b>	<b>525</b>	<b>194</b>	<b>275</b>	<b>235</b>
<b>Marijuana-Non-users (%)</b>	53.6	73.1	73.7	71.8	79.8	65.3
<b>Past users</b>	37.4	22.5	22.5	22.6	19.1	27.5
<b>Current users</b>						
1-4 times/month	5.7	2.2	1.4	4.4	0.9	2.1
$\geq$ 5 times/month	3.3	2.2	2.4	1.5	0.2	5.1
P-value	#0.00001		0.43		0.06	

\*With DM by self report or fasting glucose level  $\geq$ 126 mg/dL  
 #  $P < 0.0001$ ; compared to non-marijuana-users

Supplement Table 3. Variables affected the association between marijuana use and DM among adults 20-59 years old (Odds Ratios for DM) (N=8,127).

	OR (95% Confidence Interval)	%Change in the odds ratio <sup>§</sup>
Marijuana use (yes)	<b>0.42 (0.33-0.55)*</b>	
Marijuana use+age	0.60 (0.46-0.78)*	<b>43%</b>
Marijuana use+gender	0.42 (0.33-0.55)*	0%
Marijuana use+race	0.43 (0.33-0.55)*	2%
Marijuana use+education	0.44 (0.34-0.57)*	5%
Marijuana use+BMI	0.49 (0.38-0.65)*	<b>17%</b>
Marijuana use+current cigarette smoking	0.42 (0.32-0.55)*	0%
Marijuana use+alcohol use	0.50 (0.38-0.66)*	<b>19%</b>
Marijuana use+cocaine use	0.42 (0.33-0.54)*	0%
Marijuana use+HDL	0.44 (0.33-0.57)*	5%
Marijuana use+LDL	0.33 (0.21-0.54)*	<b>-21%</b>
Marijuana use+total cholesterol	0.46 (0.35-0.59)*	<b>10%</b>
Marijuana use+triglyceride	0.47 (0.36-0.6)*	<b>12%</b>
Marijuana use+CRP	0.46 (0.35-0.59)*	<b>10%</b>
Marijuana use+White Blood Count	0.42 (0.32-0.54)*	<b>0%</b>
Marijuana use + hypertension	0.46 (0.35-0.60)*	<b>10%</b>
Marijuana use + stroke	0.43 (0.33-0.56)*	2%
Marijuana use + myocardial infarction	0.44 (0.34-0.57)*	5%
Marijuana use + heart failure	0.43 (0.33-0.56)*	2%

\*p<.0001 on the associate of marijuana with DM.

<sup>§</sup>A change of  $\geq 10\%$  of the odds ratio indicates a confounding effect of that variable.

Supplement Fig. 1: Flow diagram for the sample selection and reasons for exclusion.

