

Supplementary Table SVII Adjusted semen quality parameters according to marijuana smoking status after restricting the data to the first semen sample per man.

Reproductive parameters	Marijuana smoking			
	Adjusted means (95% CI) ^a			
Semen Quality Parameters	Never N = 297 men, 297 samples	Ever N = 365 men, 365 samples	Past N = 291 men, 291 samples	Current N = 74 men, 74 samples
Ejaculate volume, mL	2.46 (2.25, 2.69)	2.34 (2.18, 2.50)	2.37 (2.20, 2.55)	2.22 (1.96, 2.53)
Sperm concentration, million/mL	48.8 (41.2, 57.9)	72.6 (63.8, 82.6)*	73.9 (64.3, 85.0)*	67.9 (53.2, 86.7)*
Total sperm count, million	120 (101, 143)	170 (149, 193)*	175 (152, 201)*	151 (118, 193)
% Total Sperm Motility	47.3 (43.5, 51.1)	51.7 (48.8, 54.5)*	51.7 (48.6, 54.8)*	51.6 (46.1, 57.0)
% Progressive Sperm Motility	28.3 (25.7, 31.0)	31.5 (29.5, 33.5)	31.5 (29.4, 33.7)*	31.2 (27.5, 35.0)
% Normal Sperm Morphology	6.71 (6.02, 7.40)	7.06 (6.54, 7.58)	7.23 (6.67, 7.79)	6.38 (5.39, 7.37)

Abbreviations: CI; confidence interval, N; number, FSH; follicle stimulating hormone, LH; luteinizing hormone, and SHBG; sex hormone-binding globulin; DNA, deoxyribonucleic acid.

^aAdjusted marginal means were estimated using linear mixed models and a random intercept for each man for the semen quality parameters and linear regression models for the reproductive hormone concentrations and DNA integrity. The adjusted marginal means in each exposure category were adjusted for the covariates at their average levels for continuous variables and weighted average level of categorical variable in the model including age (years, continuous), race (white/not), sexual abstinence time (days, categorical), body mass index (kg/m², continuous), tobacco smoking (yes/no), coffee (binary) and alcohol intake (binary), cocaine use (yes/no), and calendar year (continuous). Motility models were further adjusted for time elapsed between semen collection and analysis.

*P < 0.05 compared to never.