

Supplementary Table SIII Unadjusted semen quality parameters and serum reproductive hormone concentrations according to marijuana smoking status.

Reproductive parameters	Marijuana smoking			
	Unadjusted means (95% CI) ^a			
Semen Quality Parameters	Never N = 297 men, 490 samples	Ever N = 365 men, 653 samples	Past N = 291 men, 526 samples	Current N = 74 men, 127 samples
Ejaculate volume, mL	2.83 (2.66, 3.01)	2.51 (2.38, 2.66)*	2.54 (2.39, 2.70)*	2.43 (2.15, 2.74)
Sperm concentration, million/mL	51.6 (46.0, 57.8)	67.0 (60.5, 74.3)*	67.7 (60.4, 75.9)*	64.3 (51.5, 80.3)
Total sperm count, million	145 (129, 163)	167 (151, 186)	169.7 (151, 191)*	158 (125, 198)
% Total Sperm Motility	46.8 (44.4, 49.3)	49.9 (47.7, 52.1)	49.7 (47.3, 52.2)	50.6 (45.8, 55.5)
% Progressive Sperm Motility	28.2 (26.5, 29.9)	30.2 (28.7, 31.8)	30.1 (28.5, 31.8)	30.6 (27.3, 33.9)
% Normal Sperm Morphology	6.70 (6.27, 7.13)	6.81 (6.43, 7.19)	6.91 (6.48, 7.34)	6.42 (5.58, 7.27)
Sperm DNA Damage	N = 146	N = 150	N = 113	N = 37
Comet Extent, μm	124 (118, 131)	123 (117, 130)	126 (119, 133)	116 (105, 128)
Comet Tail DNA, %	30.1 (27.9, 32.4)	28.1 (26.1, 30.2)	27.6 (25.3, 30.0)	29.6 (25.6, 34.4)
Comet Tail Distributed Moment (TDM), μm	55.4 (53.1, 57.8)	55.0 (52.7, 57.3)	56.6 (53.9, 59.4)	50.4 (46.3, 54.8)
Comet Cells with High DNA damage, n	8.13 (6.66, 9.93)	7.61 (6.20, 9.33)	7.96 (6.33, 10.0)	6.51 (4.18, 10.15)
Hormone Concentrations	N = 149	N = 168	N = 131	N = 37
FSH, IU/L	8.34 (7.68, 9.06)	7.28 (6.74, 7.87)*	7.33 (6.71, 8.00)*	7.12 (6.03, 8.41)
LH, IU/L	10.1 (9.38, 10.9)	9.49 (8.84, 10.2)	9.61 (8.85, 10.4)	9.10 (7.81, 10.6)
Inhibin-B, pg/mL	152 (140, 165)	156 (145, 169)	153 (140, 166)	171 (145, 201)
Estradiol, pg/mL	26.2 (24.1, 28.5)	25.5 (23.6, 27.6)	26.5 (24.2, 29.0)	22.3 (18.8, 26.4)
Testosterone, ng/dL	405 (384, 426)	398 (379, 418)	397 (376, 420)	400 (361, 445)
SHBG, nmol/L	25.7 (24.0, 27.6)	25.6 (24.0, 27.3)	24.8 (23.0, 26.6)	28.7 (25.0, 32.9)

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

^aUnadjusted 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.

* P < 0.05 compared to never.