

Supplementary Table SVI Intake of high pesticide residue fruits and vegetables and adjusted^a semen quality parameters [mean (95% CI)] after restricting analyses to (1) samples collected within 12 months of diet assessment and (2) first sample per man.

Quartile intake	Total sperm count (millions)	Sperm concentration (millions/ml)	Total motility (% PR + NP)	Progressive motility (% PR)	Sperm morphology (% normal)	Semen volume (ml)
Original analysis (338 semen samples among 155 men)						
Q1 [0.2, 0.6]	171 (133, 222)	66.1 (49.1, 90.2)	51.7 (44.3, 59.0)	29.4 (24.4, 34.4)	7.5 (6.3, 8.7)	3.0 (2.6, 3.5)
Q2 [0.6, 0.9]	156 (123, 197)	55.4 (43.5, 70.7)	48.0 (42.2, 53.8)	26.9 (23.2, 30.7)	6.4 (5.2, 7.6)	3.1 (2.7, 3.5)
Q3 [0.9, 1.5]	103 (81, 132)*	37.6 (28.5, 49.5)*	45.4 (38.5, 52.3)	25.9 (21.3, 30.5)	6.0 (5.1, 7.0)	3.0 (2.7, 3.3)
Q4 [1.5, 3.6]	86 (63, 118)*	43.4 (31.7, 59.6)	38.9 (29.5, 48.4)	24.8 (16.5, 33.0)	5.1 (3.9, 6.2)*	2.2 (1.7, 2.6)*
<i>P</i> , trend ^b	0.003	0.14	0.07	0.47	0.02	0.003
Only semen samples collected within one year of FFQ completion (273 semen samples among 155 men)						
Q1 [0.2, 0.6]	163 (126, 212)	66.3 (49.2, 89.4)	51.9 (44.6, 59.3)	29.2 (24.1, 34.3)	7.6 (6.4, 8.7)	3.0 (2.5, 3.4)
Q2 [0.6, 0.9]	153 (117, 201)	55.2 (42.3, 72.0)	48.6 (42.1, 55.1)	27.7 (23.5, 31.9)	6.5 (5.3, 7.8)	3.1 (2.6, 3.5)
Q3 [0.9, 1.5]	109 (84, 142)*	39.4 (29.6, 52.3)*	46.2 (39.1, 53.3)	26.3 (21.5, 31.1)	6.1 (5.0, 7.1)	3.0 (2.6, 3.4)
Q4 [1.5, 3.6]	91 (64, 128)*	42.8 (30.5, 60.0)	37.7 (27.8, 47.6)	24.9 (16.0, 33.8)	5.1 (3.9, 6.3)*	2.3 (1.9, 2.8)
<i>P</i> , trend ^b	0.01	0.13	0.04	0.48	0.02	0.03
Only the first semen sample per man (155 semen samples among 155 men)						
Q1 [0.2, 0.6]	168 (121, 233)	63.1 (45.7, 86.9)	50.7 (42.0, 59.5)	27.8 (20.3, 35.3)	7.6 (6.3, 9.0)	3.1 (2.7, 3.6)
Q2 [0.6, 0.9]	138 (103, 184)	49.7 (37.4, 66.1)	45.1 (37.4, 52.9)	27.1 (20.4, 33.7)	6.2 (5.0, 7.4)	3.1 (2.7, 3.5)
Q3 [0.9, 1.5]	116 (87, 154)	40.0 (30.3, 52.9)*	47.8 (40.2, 55.4)	27.3 (20.8, 33.8)	6.6 (5.4, 7.8)	3.2 (2.8, 3.6)
Q4 [1.5, 3.6]	88 (63, 124)*	42.8 (30.5, 60.0)	39.8 (30.7, 49.0)	27.5 (19.6, 35.4)	4.8 (3.3, 6.2)*	2.2 (1.8, 2.7)*
<i>P</i> , trend ^b	0.02	0.26	0.19	0.99	0.03	0.007

^aAdjusted for total energy intake, abstinence time, age, BMI, moderate-vigorous physical activity, race, prudent and western dietary patterns, smoking status, history of varicocele and low-to-moderate pesticide fruit and vegetable intake.

^bEstimated using median intake in each quartile as a continuous variable.

**P*-value for trend <0.05 compared with men in the lowest quartile of intake.