

**Table A1:** Semen quality of subgroup of 3,921 young men from the general population in the Copenhagen area in Denmark.

	Mean (SD)	Median (5-95)	all periods	p-values comparing 2001-2005 vs. 2006-2010	
				2006-2010	1996-2000 vs. 2006-2010
<b>Semen volume (mL)</b>					
Investigation period 1996-2010	3.4 (2.1)	3.2 (1.3-5.9)			
Investigation period 1996-00	3.3 (1.5)	3.1 (1.2-5.9)			
Investigation period 2001-05	3.3 (1.4)	3.2 (1.4-5.9)			
Investigation period 2006-10	3.5 (3.4)	3.2 (1.4-6.2)	0.02	0.045	0.005
<b>Sperm concentration (million/mL)</b>					
Investigation period 1996-2010	61 (57)	47 (4-166)			
Investigation period 1996-00	59 (55)	44 (3-168)			
Investigation period 2001-05	62 (59)	47 (4-162)			
Investigation period 2006-10	63 (56)	50 (5-169)	0.03	0.18	0.009
<b>Total sperm count (million)</b>					
Investigation period 1996-2010	197 (231)	146 (10-531)			
Investigation period 1996-2000	186 (182)	133 (8-521)			
Investigation period 2001-2005	197 (233)	151 (10-528)			
Investigation period 2006-2010	209 (272)	156 (15-562)	0.002	0.045	<0.0005
<b>Normal morphology (%)</b>					
Investigation period 1996-2010	7.2 (4.9)	6.5 (0.5-16)			
Investigation period 1996-2000	7.4 (5.1)	7.0 (1.0-17.0)			
Investigation period 2001-2005	6.9 (4.8)	6.0 (0.5-15.5)			
Investigation period 2006-2010	7.5 (4.8)	7.0 (1.0-16.5)	0.01	0.005	0.6
<b>Total normal spermatozoa (million)</b>					
Investigation period 1996-2010	16.8 (23.7)	8.9 (0.1-58.7)			
Investigation period 1996-2000	16.6 (24.0)	8.3 (0.02- 59.9)			
Investigation period 2001-2005	15.9 (21.9)	8.6 (0.04- 55.6)			
Investigation period 2006-2010	18.4 (26.3)	9.9 (0.2-62.9)	0.007	0.005	0.006
<b>Progressively motile (%)</b>					
Investigation period 1996-2010	57 (16)	60 (24-77)			
Investigation period 1996-2000	55 (16)	58 (24-76)			
Investigation period 2001-2005	57 (16)	61 (23-77)			
Investigation period 2006-2010	57 (16)	60 (26-79)	<0.0005	0.8	<0.0005
<b>Motile (%)</b>					
Investigation period 1996-2010	65 (15)	68 (37-83)			
Investigation period 1996-2000	65 (14)	68 (40-82)			
Investigation period 2001-2005	64 (15)	67 (38-82)			
Investigation period 2006-2010	65 (16)	68 (34-85)	0.14	0.05	0.2

**SD:** Standard deviation.

**5-95:** 5-95 percentiles.

**p-values:** Obtained from regression analysis taking confounders into consideration.