Supplementary Material - Free testosterone and cardiometabolic parameters in adult men - comparison of algorithms for calculation of serum free testosterone

Supplementary Table 2 Hazard ratios (95% confidence interval [CI]) for quartiles of age-standardized hormone z-scores associated with cardiovascular disease (CVD) mortality (International Classification of Diseases-10: I00–I99) and all-cause mortality

	CVD mortality[a]		All-cause mortality	
Numbers at risk (cases)	5068 (357)	4963 (354)	5312 (1532)	5199 (1512)
	Model I[b]	Model II[c]	Model I[b]	Model II[c]
Free Androgen Index (FAI)				
Lowest	1	1	1	1
Second	1.03 (0.78-1.36)	1.06 (0.80-1.41)	0.85* (0.74-0.97)	0.87 (0.75-1.00)
Third	0.71* (0.53-0.96)	0.75 (0.56-1.01)	0.77* (0.67-0.89)	0.78* (0.67-0.89)
Highest	0.81* (0.60-1.09)	0.83 (0.61-1.12)	0.81* (0.71-0.94)	0.84* (0.73-0.97)
P-trend[d]	0.03	0.06	<0.01	<0.01
Vermeulen et al. (cFTV)				
Lowest	1	1	1	1
Second	0.98 (0.74-1.28)	1.09 (0.83-1.44)	0.93 (0.81-1.07)	0.99 (0.87-1.15)
Third	0.66* (0.49-0.89)	0.77 (0.56-1.05)	0.82* (0.71-0.95)	0.88 (0.76-1.02)
Highest	0.62* (0.46-0.84)	0.71* (0.52-0.97)	0.82* (0.71-0.94)	0.87 (0.75-1.01)
P-trend[d]	<0.01	<0.01	<0.01	0.02
Zakharov et al. (cFTZ)				
Lowest	1	1	1	1
Second	0.82 (0.62-1.08)	0.90 (0.68-1.20)	0.96 (0.83-1.11)	1.01 (0.88-1.17)
Third	0.67 (0.50-0.90)	0.78 (0.58-1.05)	0.92 (0.79-1.06)	1.00 (0.86-1.16)
Highest	0.54 (0.40-0.73)	0.66* (0.48-0.90)	0.88 (0.76-1.01)	0.94 (0.81-1.09)
P-trend[d]	<0.01	<0.01	0.06	0.39
Total Testosterone (TT)				
Lowest	1	1	1	1
Second	0.92 (0.70-1.21)	1.01 (0.76-1.34)	0.97 (0.84-1.12)	1.03 (0.89-1.19)
Third	0.72* (0.54-0.96)	0.81 (0.60-1.10)	0.93 (0.81-1.08)	1.02 (0.87-1.18)
Highest	0.56* (0.41-0.77)	0.71* (0.51-0.98)	0.94 (0.81-1.08)	1.01 (0.87-1.18)
P-trend[d]	<0.01	0.02	0.34	0.91

*p<0.05
[a] Men with known cardiovascular disease at baseline (n=245) excluded. [b] Model assuming different baseline hazards for non-smokers and smokers with age as the underlying time scale and [c] adjusted for BMI, study, alcohol consumption and exercise. [d] trend over quartiles of age-standardized hormones