

**Supplementary Table 2.** Adjusted hazard ratio for prostate cancer according to age group

Variables	Adjusted hazard ratio (95% CI)					
	All patients	40-49	50-59	60-69	70-79	≥ 80
<b>Alcohol</b>						
Non-high risk	reference	reference	reference	reference	reference	reference
High risk	0.92 (0.89-0.96)	1.07 (0.92-1.23)	1.01 (0.95-1.08)	0.94 (0.89-0.99)	0.91 (0.84-0.98)	0.96 (0.71-1.29)
<b>Smoking</b>						
Non-smoker	reference	reference	reference	reference	reference	reference
Ex-smoker	1.05 (1.02-1.08)	1.02 (0.85-1.21)	1.10 (1.02-1.17)	1.07 (1.02-1.12)	1.05 (0.99-1.10)	0.99 (0.85-1.16)
Current	0.86 (0.83-0.89)	1.00 (0.85-1.18)	0.89 (0.82-0.95)	0.87 (0.83-0.91)	0.89 (0.84-0.95)	0.82 (0.66-1.03)
<b>Exercise (time)</b>						
No	reference	reference	reference	reference	reference	reference
1-2	1.05 (1.02-1.09)	1.02 (0.88-1.18)	1.07 (1.00-1.15)	1.07 (1.01-1.12)	1.09 (1.02-1.17)	1.18 (0.95-1.46)
3-4	1.09 (1.05-1.14)	0.99 (0.81-1.20)	1.01 (0.92-1.10)	1.12 (1.06-1.19)	1.16 (1.07-1.25)	1.22 (0.94-1.58)
≥5	1.09 (1.05-1.13)	0.88 (0.66-1.17)	1.00 (0.91-1.11)	1.02 (0.97-1.08)	1.19 (1.12-1.27)	1.09 (0.87-1.37)
<b>Hypertension</b>						
No	reference	reference	reference	reference	reference	reference
Yes	1.21 (1.18-1.24)	1.40 (1.17-1.66)	1.15 (1.08-1.23)	1.17 (1.12-1.22)	1.17 (1.12-1.23)	0.97 (0.84-1.12)
<b>Diabetes</b>						
No	reference	reference	reference	reference	reference	reference
Yes	0.94 (0.90-0.97)	0.90 (0.68-1.19)	0.93 (0.85-1.02)	0.94 (0.89-0.99)	0.89 (0.84-0.95)	0.90 (0.73-1.11)
<b>Dyslipidemia</b>						
No	reference	reference	reference	reference	reference	reference
Yes	1.15 (1.09-1.21)	0.98 (0.74-1.30)	1.10 (0.99-1.23)	1.21 (1.12-1.30)	1.09 (0.98-1.21)	1.50 (1.06-2.14)
<b>BMI (kg/m<sup>2</sup>)</b>						
< 18.5	reference	reference	reference	reference	reference	reference
18.5-24.9	1.36 (1.23-1.49)	0.98 (0.54-1.79)	1.60 (1.16-2.21)	1.37 (1.16-1.62)	1.35 (1.17-1.56)	1.49 (1.07-2.08)
25.0-29.9	1.44 (1.30-1.59)	1.26 (0.68-2.32)	1.75 (1.26-2.42)	1.48 (1.25-1.76)	1.44 (1.24-1.68)	1.71 (1.17-2.50)
≥ 30.0	1.37 (1.20-1.56)	1.80 (0.91-3.57)	1.59 (1.11-2.30)	1.42 (1.16-1.75)	1.41 (1.12-1.76)	2.38 (1.23-4.60)
<b>Blood pressure</b>						
Non-high	reference	reference	reference	reference	reference	reference
High	0.92 (0.89-0.95)	0.88 (0.73-1.06)	0.95 (0.88-1.02)	0.90 (0.87-0.94)	0.89 (0.85-0.94)	0.98 (0.83-1.11)
<b>Fasting glucose (mg/dL)</b>						
Normal (< 100)	reference	reference	reference	reference	reference	reference
Abnormal (≥ 100)	0.98 (0.96-1.01)	0.98 (0.85-1.13)	0.92 (0.87-0.98)	0.97 (0.93-1.01)	1.03 (0.98-1.08)	0.96 (0.83-1.11)
<b>Total cholesterol (mg/dL)</b>						
Normal (< 200)	reference	reference	reference	reference	reference	reference
Middle (200-239)	1.00 (0.97-1.04)	1.21 (1.01-1.45)	0.98 (0.90-1.06)	0.99 (0.94-1.05)	1.06 (0.99-1.14)	1.01 (0.82-1.24)
High (≥ 240)	0.97 (0.90-1.04)	1.34 (0.97-1.85)	0.98 (0.85-1.13)	0.94 (0.85-1.05)	1.00 (0.87-1.15)	1.16 (0.92-1.46)
<b>Waist circumference</b>						
Normal	reference	reference	reference	reference	reference	reference
Abnormal	1.07 (1.04-1.11)	0.95 (0.79-1.15)	1.07 (0.99-1.15)	1.03 (0.99-1.09)	1.08 (1.01-1.14)	0.99 (0.82-1.21)
<b>Triglyceride (mg/dL)</b>						
Normal (100-149)	reference	reference	reference	reference	reference	reference
Middle (150-199)	0.99 (0.95-1.02)	0.91 (0.76-1.09)	0.99 (0.92-1.07)	0.99 (0.94-1.04)	1.00 (0.94-1.07)	1.01 (0.82-1.24)
High (≥ 200)	0.92 (0.89-0.96)	0.78 (0.65-0.94)	0.95 (0.88-1.03)	0.93 (0.88-0.98)	0.95 (0.89-1.02)	1.16 (0.92-1.46)
<b>HDL (mg/dL)</b>						
Normal (≥ 60)	reference	reference	reference	reference	reference	reference
Abnormal (< 60)	1.02 (0.99-1.05)	1.08 (0.91-1.28)	1.05 (0.98-1.13)	1.02 (0.97-1.07)	1.00 (0.94-1.06)	0.97 (0.82-1.15)
<b>LDL (mg/dL)</b>						
Normal (< 130)	reference	reference	reference	reference	reference	reference
Middle (130-159)	1.03 (0.98-1.07)	0.79 (0.65-0.98)	1.10 (1.01-1.21)	1.04 (0.98-1.11)	0.98 (0.90-1.06)	1.12 (0.87-1.44)
High (≥ 160)	1.05 (0.98-1.13)	0.83 (0.59-1.15)	1.16 (1.00-1.34)	1.09 (0.98-1.21)	0.95 (0.83-1.09)	1.12 (0.72-1.73)

CI, confidence interval; BMI, body mass index; HDL, high density lipoprotein; LDL, low density lipoprotein.