

Supplementary Table 3: Hazard ratios and 95% confidence intervals of the association between statin use and risk of prostate cancer subgroups classified by ERG and PTEN status in the Health Professionals Follow-up Study, 1990-2009

	Overall, among cases assayed for ERG			ERG-positive			ERG-negative			<i>p</i> _{het} ^c
	n	HR ^a (95% CI)	HR ^b (95% CI)	n	HR ^a (95% CI)	HR ^b (95% CI)	n	HR ^a (95% CI)	HR ^b (95% CI)	
All cases	888			417			471			
Statin use										
Never/past	743	1.00 (ref)	1.00 (ref)	354	1.00 (ref)	1.00 (ref)	389	1.00 (ref)	1.00 (ref)	0.92
Current	145	1.09 (0.91-1.32)	1.00 (0.82-1.23)	63	1.08 (0.82-1.42)	0.99 (0.74-1.33)	82	1.10 (0.86-1.42)	1.01 (0.78-1.31)	
Statin use										
Never	727	1.00 (ref)	1.00 (ref)	347	1.00 (ref)	1.00 (ref)	380	1.00 (ref)	1.00 (ref)	0.93
Ever	161	1.01 (0.84-1.21)	0.92 (0.75-1.12)	70	1.00 (0.77-1.30)	0.91 (0.68-1.20)	91	1.02 (0.80-1.30)	0.92 (0.72-1.19)	
Duration of statin use										
Never	727	1.00 (ref)	1.00 (ref)	347	1.00 (ref)	1.00 (ref)	380	1.00 (ref)	1.00 (ref)	0.99
<5 years	101	1.01 (0.81-1.25)	0.93 (0.74-1.17)	45	1.00 (0.73-1.37)	0.93 (0.67-1.28)	56	1.01 (0.75-1.36)	0.93 (0.69-1.27)	
≥5 years	60	1.01 (0.77-1.33)	0.89 (0.67-1.18)	25	0.99 (0.65-1.51)	0.87 (0.57-1.33)	35	1.03 (0.72-1.47)	0.90 (0.63-1.30)	
Per year of statin use	888	1.00 (0.97-1.03)	0.98 (0.95-1.01)	417	1.00 (0.95-1.04)	0.98 (0.94-1.03)	471	1.00 (0.96-1.04)	0.98 (0.94-1.02)	0.97
	Overall, among cases assayed for PTEN			PTEN-intact			PTEN-null			
	n	HR ^a (95% CI)	HR ^b (95% CI)	n	HR ^a (95% CI)	HR ^b (95% CI)	n	HR ^a (95% CI)	HR ^b (95% CI)	
All cases	715			615			100			
Statin use										
Never/past	582	1.00 (ref)	1.00 (ref)	489	1.00 (ref)	1.00 (ref)	93	1.00 (ref)	1.00 (ref)	0.01
Current	133	1.15 (0.95-1.40)	1.07 (0.86-1.33)	126	1.27 (1.04-1.56)	1.18 (0.95-1.48)	7	0.44 (0.21-0.92)	0.40 (0.19-0.87)	
Statin use										
Never	568	1.00 (ref)	1.00 (ref)	477	1.00 (ref)	1.00 (ref)	91	1.00 (ref)	1.00 (ref)	0.01
Ever	147	1.06 (0.87-1.28)	0.97 (0.78-1.20)	138	1.15 (0.94-1.41)	1.06 (0.85-1.32)	9	0.47 (0.24-0.93)	0.43 (0.21-0.87)	
Per year of statin use	715	1.00 (0.97-1.03)	0.99 (0.95-1.02)	615	1.01 (0.98-1.04)	1.00 (0.96-1.03)	100	0.90 (0.78-1.04)	0.88 (0.76-1.03)	0.06

^aadjusted for age and calendar time

^badjusted for age, calendar time, race, family history of prostate cancer in father or brother, height, body mass index at age 21 years, body mass index, smoking, history of high cholesterol, history of hypertension, history of diabetes, PSA testing in the two years prior to the questionnaire date, PSA testing in >50% of possible time periods, aspirin use, physical activity, total calories.

^cp-heterogeneity comparing estimates from multivariable models