

Supplementary table 1: Adjusted^a odds ratio (95% confidence interval) of the association between statin use and clinically significant prostate cancer according to statin type

	Any statin	Atorvastatin ^c	Cerivastatin ^c	Fluvastatin ^c	Lovastatin ^c	Pravastatin ^c	Rosuvastatin ^c	Simvastatin ^c
Ever use	0.96 (0.89-1.03)	1.01 (0.93-1.09)	1.01 (0.82-1.25)	1.22 (0.91-1.63)	0.91 (0.70-1.18)	0.79 (0.67-0.93)	0.94 (0.83-1.07)	1.00 (0.90-1.12)
Period of use (years prior to the index date) ^b								
Never use	ref.	ref.	ref.	ref.	ref.	ref.	ref.	ref.
2 - 5	0.98 (0.91-1.07)	0.99 (0.90-1.08)	1.35 (0.95-1.90)	1.42 (0.96-2.10)	0.87 (0.60-1.26)	0.93 (0.75-1.15)	0.98 (0.84-1.13)	0.97 (0.84-1.13)
6 - 10	0.96 (0.87-1.07)	0.95 (0.84-1.08)	0.97 (0.69-1.37)	0.70 (0.41-1.18)	1.17 (0.76-1.81)	0.94 (0.72-1.22)	0.93 (0.72-1.19)	1.05 (0.87-1.26)
11 - 20	1.03 (0.87-1.22)	1.18 (0.95-1.46)	0.98 (0.63-1.51)	1.55 (0.78-3.06)	0.70 (0.37-1.32)	0.55 (0.36-0.83)	0.70 (0.08-6.02)	1.07 (0.81-1.43)
Duration of use (years)								
Never use	ref.	ref.	ref.	ref.	ref.	ref.	ref.	ref.
<1	0.96 (0.87-1.07)	1.02 (0.90-1.14)	0.97 (0.75-1.24)	1.79 (1.22-2.62)	0.77 (0.48-1.23)	0.77 (0.60-0.99)	0.90 (0.75-1.09)	1.07 (0.90-1.27)
1	0.96 (0.83-1.10)	1.14 (0.97-1.34)	1.10 (0.74-1.64)	0.88 (0.44-1.77)	1.08 (0.63-1.84)	0.85 (0.57-1.26)	0.87 (0.65-1.17)	0.87 (0.67-1.15)
2-4	0.97 (0.87-1.08)	0.93 (0.81-1.06)	N/A	0.74 (0.34-1.62)	0.88 (0.54-1.45)	0.74 (0.54-1.02)	1.12 (0.90-1.40)	0.93 (0.75-1.14)
5+	0.93 (0.82-1.05)	1.00 (0.85-1.17)	N/A	0.74 (0.31-1.75)	1.03 (0.60-1.78)	0.85 (0.60-1.21)	0.71 (0.44-1.12)	1.08 (0.86-1.36)
Relative time of use (% of follow-up)								
Never use	ref.	ref.	ref.	ref.	ref.	ref.	ref.	ref.
1-9	0.94 (0.84-1.05)	1.03 (0.92-1.17)	1.05 (0.82-1.36)	1.64 (1.08-2.50)	0.78 (0.48-1.27)	0.75 (0.57-0.99)	0.86 (0.71-1.05)	1.02 (0.84-1.23)
10-24	0.98 (0.88-1.10)	1.03 (0.91-1.18)	1.24 (0.77-2.00)	0.91 (0.49-1.72)	1.22 (0.78-1.91)	0.80 (0.58-1.10)	1.02 (0.82-1.27)	0.92 (0.74-1.14)
25-49	0.91 (0.82-1.02)	0.91 (0.80-1.05)	N/A	0.51 (0.22-1.16)	0.71 (0.42-1.19)	0.76 (0.55-1.05)	0.95 (0.68-1.33)	0.93 (0.76-1.14)
50+	0.97 (0.82-1.15)	0.98 (0.75-1.29)	N/A	1.80 (0.51-6.32)	1.28 (0.62-2.65)	0.95 (0.57-1.58)	N/A	1.34 (0.96-1.87)
Average annual dose (DDD)								
Never use	ref.	ref.	ref.	ref.	ref.	ref.	ref.	ref.
1-182	0.96 (0.89-1.03)	1.01 (0.93-1.09)	1.00 (0.81-1.24)	1.18 (0.88-1.59)	0.92 (0.70-1.20)	0.84 (0.71-1.00)	0.95 (0.83-1.09)	0.98 (0.87-1.11)

183-365	0.99 (0.84-1.17)	1.07 (0.84-1.35)	N/A	N/A	0.74 (0.20-2.70)	0.45 (0.26-0.79)	0.56 (0.25-1.28)	1.13 (0.82-1.56)
366-546	0.88 (0.59-1.29)	0.51 (0.26-0.99)	N/A	N/A	N/A	1.07 (0.27-4.28)	1.20 (0.21-6.76)	1.83 (0.93-3.59)
547+	1.14 (0.62-2.09)	3.94 (1.31-11.84)	N/A	N/A	1.81 (0.11-29.14)	1.35 (0.07-24.32)	N/A	1.38 (0.52-3.70)
Total dosage (DDD)								
Never use	ref.	ref.	ref.	ref.	ref.	ref.	ref.	ref.
1-119	1.00 (0.87-1.14)	1.05 (0.90-1.22)	0.67 (0.40-1.11)	1.64 (1.05-2.56)	0.84 (0.49-1.45)	0.81 (0.58-1.15)	1.05 (0.81-1.35)	1.19 (0.96-1.48)
120-479	0.98 (0.87-1.10)	1.09 (0.96-1.24)	1.08 (0.81-1.45)	1.17 (0.72-1.92)	0.98 (0.63-1.52)	0.73 (0.52-1.03)	0.74 (0.58-0.95)	0.90 (0.73-1.12)
480-1199	0.93 (0.83-1.04)	0.90 (0.79-1.04)	1.18 (0.80-1.74)	1.10 (0.52-2.35)	0.87 (0.52-1.47)	0.80 (0.58-1.11)	1.02 (0.80-1.29)	0.90 (0.71-1.13)
1200+	0.94 (0.84-1.04)	0.98 (0.86-1.13)	N/A	0.60 (0.24-1.50)	0.90 (0.51-1.57)	0.81 (0.61-1.06)	0.99 (0.77-1.27)	1.03 (0.85-1.25)

^a Adjusted for the matching variables (age, regional health authority of residence, length of drug use coverage), income quintile, number of physician visits in the 5-year period before the index date, the screening indicator, chronic cardiovascular disease (excluding hypertension), diabetes, non-statin lipid-lowering drug, ever-use of metformin, other oral hypoglycemic drugs, insulin, aspirin, and non-aspirin NSAIDs.

^b Also adjusted for use of that statin in the other periods.

^c Also adjusted for use of the other individual statins.

DDD = defined daily dose (the assumed average maintenance dose per day for a drug used for its main indication in adults; the DDD is 20 mg for atorvastatin, 0.2 mg for cerivastatin, 60 mg for fluvastatin, 45 mg for lovastatin, 30 mg for pravastatin, 10 mg for rosuvastatin, 30 mg for simvastatin)