Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. Anatomical Therapeutic Chemical codes used in the study.

Medication class	ATC code(s)
Statins	C10AA, C10BA02, C10BA05
Low dose ASA	B01AC06
ADP inhibitors	B01AC04, B01AC05, B01AC22, B01AC24, B01AC25
Anticoagulants (warfarin, NOACs)	B01AA03, B01AE07, B01AF01, B01AF02, B01AF03
Thiazides	C03AA, C03AB
Spironolactone	C03DA01
Beta-blockers	C07A
ACE inhibitors/ARBS	C09A, C09B, C09C, C09D
Calcium channel blockers	C08CA, C08D
Antidepressants	N06A
Antipsychotics	N05A (except N05AN)
Non-selective NSAIDs	M01A (except M01AH, M01AX05, M01AX25)
COX-2 inhibitors	M01AH
COPD medications*	R03AC12, R03AC13, R03AC1, R03AC19, R03CC12, R03BB04, R03BB05, R03BB06, R03BB07, R03BA01, R03BA02, R03BA03, R03BA05, R03BA07, R03BA08, R03AK06, R03AK07, R03AK08, R03AK10, R03AK11, R03AL03, R03AL04, R03AL05, R03AL06
Diabetes medications*	A10B, A10A
Dementia medications*	N06DA, N06DX01

^{*} Only used for disease definitions

Abbreviations: ACE = angiotensin converting enzyme; ADP = adenosine diphosphate receptor; ARB = angiotensin receptor blocker; ASA = acetylsalicylic acid; ATC = anatomical therapeutic chemical; COPD = chronic obstructive pulmonary disease; COX-2 = cyclooxygenase-2; NOAC = new oral anticoagulant; NSAID = non-steroidal anti-inflammatory drugs; SMD = standardized mean difference

eTable 2. International Classification of Diseases codes used in the study.

Disease	ICD-10 code
MI	I21 I22 I23
Ischemic stroke/TIA	I63 G45
Ischemic heart disease/angina	120 125
Peripheral artery disease	1739, 1702
"Secondary prevention"	Any of: MI, ischemic stroke/TIA, ischemic heart disease/ angina, peripheral artery disease
Dementia	F01, F02, F03, G30, G310, G3183, use of dementia medication (see above)
Diabetes	E10, E11, use of diabetes medication (see above)
Atrial fibrillation/flutter	148
Hypertension	I10, I11, I12, I13, I14, I15
Parkinson's disease	G20
COPD	J41, J42, J43, J44, use of COPD medication (see above)
Depression	F32, F33
Schizophrenia	F20
Cancer	C00 to C96
Heart failure	I50, I110, I130, I132

Abbreviations: COPD = chronic obstructive pulmonary disease; ICD = international classification of diseases; MI = myocardial infarction; TIA = transient ischemic attack

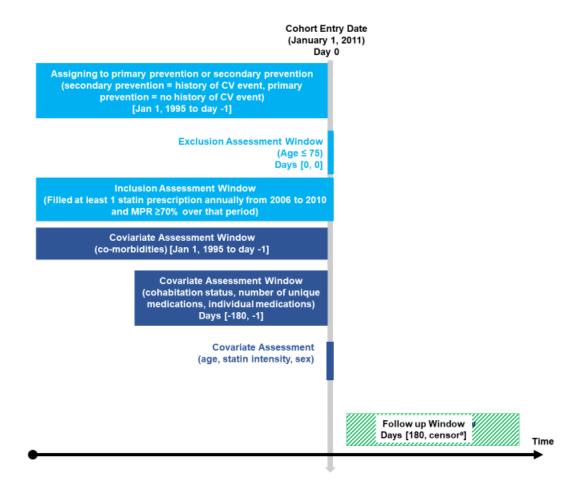
eTable 3. Surgical procedure codes used in the study.

Procedure	Code
Percutaneous coronary intervention	KFNG, KFNF
Coronary artery bypass graft	KFNA-KFNE, KFNH20

eTable 4. Statin intensity (based on American College of Cardiologists 2018 guidelines).

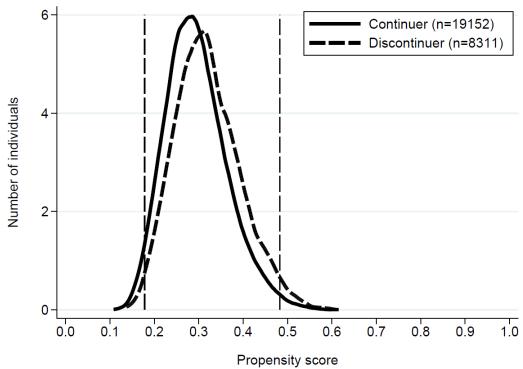
Statin	High intensity	Low/moderate	
Atorvastatin (C10AA05)	40 to 80 mg/day	10 to 20 mg/day	
Fluvastatin (C10AA04)	-	20 to 80 mg/day	
Lovastatin (C10AA02)	-	20 to 40 mg/day	
Pravastatin (C10AA03)	-	10 to 80 mg/day	
Rosuvastatin (C10AA07)	20 to 40 mg/day	5 to 10 mg/day	
Simvastatin (C10AA01)	-	10 to 40 mg/day	

eFigure 1. Cohort design.

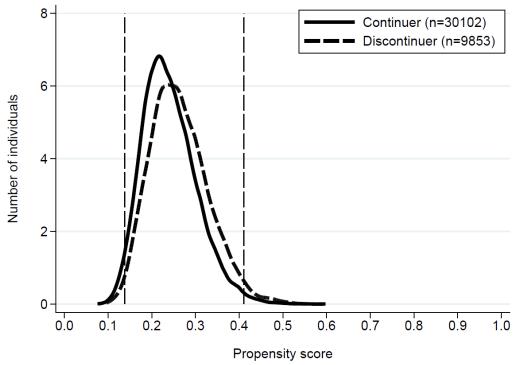


a. Censored if experienced outcome of interest, discontinued then restarted statin, competing event (death), or end of study period

eFigure 2. Propensity Score Distribution in the Primary Prevention Cohort.



eFigure 3. Propensity Score Distribution in the Secondary Prevention Cohort.



eTable 5. Balance of Covariates in Primary Prevention Cohort.

		Before	e weighting		Afte	r weighting	
	Overall	Discontinuation	Continuation	SMD	Discontinuation	Continuation	SMD
	(n=27,463)	(n=8,311)	(n=19,152)		(n=8,310)	(n=19,153)	
Sex (n,%)					,		
Female	18,134 (66.0)	5,854 (70.4)	12,280 (64.1)	0.03	5,487 (66.0)	12,648 (66.0)	0.00
Male	9,329 (34.0)	2,457 (29.6)	6,872 (35.9)	0.01	2,823 (34.0)	6,506 (34.0)	0.00
Age	(_, (,	, , , , , , , , , , , , , , , , , , , ,		_,=== (= ::=)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Median (IQR)	79 (77-83)	80 (77-83)	79 (76-82)	0.22	79 (77-83)	79 (77-83)	0.00
75-84 y (n,%)	23,233 (84.6)	6,704 (80.7)	16,529 (86.3)	0.04	7,049 (84.8)	16,169 (84.4)	0.01
≥85 y (n,%)	4,230 (15.4)	1,607 (19.3)	2,623 (13.7)	0.04	1,261 (15.2)	2,984 (15.6)	0.01
Statin intensity (n,%)	,, (,, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0.0	1,201 (1012)		0.0.
Low/moderate	26,408 (96.2)	8,027 (96.6)	18,381 (96.0)	0.07	7,995 (96.2)	18,420 (96.2)	0.00
High	1,055 (3.8)	284 (3.4)	771 (4.0)	0.06	315 (3.8)	734 (3.8)	0.00
Unique medications							
Median (IQR)	6 (4-9)	6 (4-8)	6 (4-9)	0.05	6 (4-9)	6 (4-9)	0.02
0-4	8,885 (32.4)	2,866 (34.5)	6,019 (31.4)	0.06	2,691 (32.4)	6,172 (32.2)	0.00
5-9	13,366 (48.7)	3,935 (47.3)	9,431 (49.2)	0.10	4,006 (48.2)	9,352 (48.8)	0.01
≥10	5,212 (19.0)	1,510 (18.2)	3,702 (19.3)	0.06	1,613 (19.4)	3,629 (18.9)	0.01
Comorbidities, (n,%)							
Dementia	2,858 (10.4)	1,098 (13.2)	1,760 (9.2)	0.02	870 (10.5)	1,999 (10.4)	0.00
Diabetes	9,524 (34.7)	2,539 (30.5)	6,985 (36.5)	0.06	2,885 (34.7)	6,643 (34.7)	0.00
Atrial fibrillation /	0.040 (40.0)	777 (0.0)	0.040 (40.7)	0.00	050 (40 0)	4 007 (40 0)	0.00
flutter	2,819 (10.3)	777 (9.3)	2,042 (10.7)	0.09	853 (10.3)	1,967 (10.3)	0.00
Heart failure	1,186 (4.3)	337 (4.1)	849 (4.4)	0.13	361 (4.3)	829 (4.3)	0.00
Hypertension	9,347 (34.0)	2,752 (33.1)	6,595 (34.4)	0.06	2,845 (34.2)	6,528 (34.1)	0.00
Parkinson's	196 (0.7)	75 (0.9)	121 (0.6)	0.19	60 (0.7)	137 (0.7)	0.00
COPD	5,691 (20.7)	1,730 (20.8)	3,961 (20.7)	0.08	1,722 (20.7)	3,970 (20.7)	0.00
Depression	565 (2.1)	189 (2.3)	376 (2.0)	0.07	174 (2.1)	396 (2.1)	0.00
Schizophrenia	(n<10)	(n<10)	(n<10)	-	(n<5)	(n<5)	0.01
Cancer	4,687 (17.1)	1,399 (16.8)	3,288 (17.2)	0.07	1,420 (17.1)	3,269 (17.1)	0.00
Medications (n,%)							
Low dose ASA	12,480 (45.4)	3,549 (42.7)	8,931 (46.6)	0.07	3,785 (45.5)	8,708 (45.5)	0.00
ADP inhibitors	297 (1.1)	93 (1.1)	204 (1.1)	0.27	90 (1.1)	208 (1.1)	0.00
Anticoagulants	2,304 (8.4)	583 (7.0)	1,721 (9.0)	0.05	695 (8.4)	1,608 (8.4)	0.00
Thiazides	7,796 (28.4)	2,314 (27.8)	5,482 (28.6)	0.09	2,360 (28.4)	5,437 (28.4)	0.00
Spironolactone	901 (3.3)	256 (3.1)	645 (3.4)	0.13	270 (3.2)	627 (3.3)	0.00
Beta-blockers	7,432 (27.1)	2,063 (24.8)	5,369 (28.0)	0.05	2,244 (27.0)	5,180 (27.0)	0.00
ACE/ARB	16,297 (59.3)	4,651 (56.0)	11,646 (60.8)	0.08	4,936 (59.4)	11,368 (59.4)	0.00
CCBs	10,122 (36.9)	2,849 (34.3)	7,273 (38.0)	0.10	3,070 (36.9)	7,064 (36.9)	0.00
Antidepressants	4,374 (15.9)	1,369 (16.5)	3,005 (15.7)	0.08	1,331 (16.0)	3,058 (16.0)	0.00
Antiperessants	678 (2.5)	1,369 (16.5)	484 (2.5)	0.08	207 (2.5)	474 (2.5)	0.00

NSAIDs (non-							
selective)	3,789 (13.8)	1,163 (14.0)	2,626 (13.7)	0.06	1,148 (13.8)	2,642 (13.8)	0.00
COX-2 inhibitors	38 (0.1)	10 (0.1)	28 (0.1)	0.20	11 (0.1)	26 (0.1)	0.00
Cohabitation							
status (n,%)							
Alone	12,559 (45.7)	3,603 (43.4)	8,956 (46.8)		3,794 (45.7)	8,753 (45.7)	0.00
Cohabiting	14,904 (54.3)	4,708 (56.6)	10,196 (53.2)		4,516 (54.3)	10,400 (54.3)	0.00

Abbreviations: ACE = angiotensin converting enzyme; ADP = adenosine diphosphate receptor; ARB = angiotensin receptor blocker; ASA = acetylsalicylic acid; CCB = calcium channel blocker; COPD = chronic obstructive pulmonary disease; COX-2 = cyclooxygenase-2; IQR = interquartile range; NSAID = non-steroidal anti-inflammatory drugs; SMD = standardized mean difference

eTable 6. Balance of Covariates in Secondary Prevention Cohort.

		Before	weighting	Afte	r weighting		
	Overall	Discontinuation	Continuation	SMD	Discontinuation	Continuation	SMD
	(n=39,955)	(n=9,853)	(n=30,102)		(n=9,855)	(n=30,102)	
Sex (n,%)			,		,		
Female	18,717 (46.8)	5,261 (53.4)	13,456 (44.7)	0.05	4,606 (46.7)	14,098 (46.8)	0.00
Male	21,238 (53.2)	4,592 (46.6)	16,646 (55.3)	0.01	5,249 (53.3)	16,005 (53.2)	0.00
Age	, , ,		, , ,		, , ,	, , ,	
Median (IQR)	80 (77-84)	81 (78-85)	80 (77-83)	0.19	80 (77-84)	80 (77-84)	0.00
75-84 y (n,%)	31,931 (79.9)	7,372 (74.8)	24,559 (81.6)	0.05	7,837 (79.5)	24,109 (80.1)	0.01
≥85 y (n,%)	8,024 (20.1)	2,481 (25.2)	5,543 (18.4)	0.10	2,018 (20.5)	5,993 (19.9)	0.01
Statin intensity (n,%)							
Low/moderate	37,469 (93.8)	9,376 (95.2)	28,093 (93.3)	0.10	9,239 (93.7)	28,229 (93.8)	0.00
High	2,486 (6.2)	477 (4.8)	2,009 (6.7)	0.01	616 (6.3)	1,873 (6.2)	0.00
Unique medications							
Median (IQR)	8 (5-11)	8 (5-11)	8 (5-11)	0.04	8 (5-11)	8 (5-11)	0.01
0-4	6,905 (17.3)	1,855 (18.8)	5,050 (16.8)	0.08	1,732 (17.6)	5,162 (17.1)	0.01
5-9	19,605 (49.1)	4,795 (48.7)	14,810 (49.2)	0.09	4,770 (48.4)	14,845 (49.3)	0.02
≥10	13,445 (33.7)	3,203 (32.5)	10,242 (34.0)	0.13	3,354 (34.0)	10,095 (33.5)	0.01
Comorbidities, n(%)							
Dementia	4,108 (10.3)	1,313 (13.3)	2,795 (9.3)	0.10	1,022 (10.4)	3,102 (10.3)	0.00
Diabetes	11,702 (29.3)	2,575 (26.1)	9,127 (30.3)	0.09	2,900 (29.4)	8,822 (29.3)	0.00
Atrial fibrillation /	0.070 (22.7)	2.077 (24.4)	7 002 (22 2)	0.00	2 267 (22 0)	6 940 (22 9)	0.01
flutter Heart failure	9,079 (22.7)	2,077 (21.1)	7,002 (23.3)	0.09	2,267 (23.0) 2,076 (21.1)	6,849 (22.8)	0.00
	8,373 (21.0)	1,873 (19.0)	6,500 (21.6)		•	6,312 (21.0)	0.00
Hypertension Parkinson's	21,903 (54.8)	5,344 (54.2)	16,559 (55.0) 307 (1.0)	0.10	5,401 (54.8)	16,500 (54.8) 311 (1.0)	0.00
COPD	412 (1.0)	105 (1.1)			104 (1.1)		0.00
	11,286 (28.2) 1,551 (3.9)	2,708 (27.5)	8,578 (28.5)	0.10	2,800 (28.4) 384 (3.9)	8,509 (28.3)	0.00
Depression Schizophrenia	16 (0.0)	405 (4.1) (n<10)	1,146 (3.8) (n<10)		(n<5)	1,170 (3.9) 12 (0.0)	0.00
Cancer		1,738 (17.6)		0.21			0.00
Medications (n,%)	7,254 (18.2)	1,730 (17.0)	5,516 (18.3)	0.11	1,783 (18.1)	5,465 (18.2)	0.00
Low dose ASA	30,562 (76.5)	7,294 (74.0)	23,268 (77.3)	0.10	7,532 (76.4)	23,021 (76.5)	0.00
ADP inhibitors	3,263 (8.2)	700 (7.1)	2,563 (8.5)	0.10	812 (8.2)	2,460 (8.2)	0.00
Anticoagulants	5,745 (14.4)	1,241 (12.6)	4,504 (15.0)	0.08	1,436 (14.6)	4,332 (14.4)	0.00
Thiazides	9,160 (22.9)	2,279 (23.1)	6,881 (22.9)	0.10	2,247 (22.8)	6,897 (22.9)	0.00
Spironolactone	2,687 (6.7)	553 (5.6)	2,134 (7.1)	0.15	658 (6.7)	2,024 (6.7)	0.00
Beta-blockers	20,849 (52.2)	4,684 (47.5)	16,165 (53.7)	0.10	5,128 (52.0)	15,701 (52.2)	0.00
ACE/ARB	23,018 (57.6)	5,471 (55.5)	17,547 (58.3)	0.10	5,687 (57.7)	17,341 (57.6)	0.00
CCBs	14,505 (36.3)	3,454 (35.1)	,		3,572 (36.2)	10,930 (36.3)	0.00
Antidepressants	7,958 (19.9)	2,001 (20.3)	11,051 (36.7) 5,957 (19.8)	0.11	1,954 (19.8)	5,992 (19.9)	0.00
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Antipsychotics	1,007 (2.5)	251 (2.5)	756 (2.5)	0.12	254 (2.6)	761 (2.5)	0.00

NSAIDs (non-							
selective)	4,697 (11.8)	1,220 (12.4)	3,477 (11.6)	0.09	1,154 (11.7)	3,538 (11.8)	0.00
COX-2 inhibitors	50 (0.1)	12 (0.1)	38 (0.1)	0.33	12 (0.1)	38 (0.1)	0.00
Cohabitation							
status (n,%)							
Alone	19,571 (49.0)	4,483 (45.5)	15,088 (50.1)		4,836 (49.1)	14,748 (49.0)	0.00
Cohabiting	20,384 (51.0)	5,370 (54.5)	15,014 (49.9)		5,019 (50.9)	15,355 (51.0)	0.00

Abbreviations: ACE = angiotensin converting enzyme; ADP = adenosine diphosphate receptor; ARB = angiotensin receptor blocker; ASA = acetylsalicylic acid; COPD = chronic obstructive pulmonary disease; COX-2 = cyclooxygenase-2; IQR = interquartile range; NSAID = non-steroidal anti-inflammatory drugs; SMD = standardized mean difference

eTable 7. Summary of results with grace period of 90 days.

		Toodico Willi grado po		Primary prevent	ion			
	Discontinua	ation	Continuation		Rate difference		Subhazard ratio (95%	
	(11,245 per	son-years) ^a	(80,686 perso	n-years) ^a			CI) ^b	
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate		
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per		
Outcome		CI)		CI)	(CI)	1000 (CI) ^b		
MACE	357	32 (29 to 35)	1897	24 (22 to 25)	8.2 (4.8 to 11.7)	8.8 (5.3 to 12.3)	1.25 (1.12 to 1.41)	
MI	102	8.8 (7.3 to 10.7)	507	6.1 (5.6 to 6.7)	2.7 (0.9 to 4.5)	3.0 (1.2 to 4.8)	1.42 (1.14 to 1.77)	
Stroke	204	18 (16 to 21)	1064	13 (12 to 14)	5.0 (2.4 to 7.6)	5.0 (2.4 to 7.6)	1.21 (1.04 to 1.41)	
Revasc.	48	4.1 (3.1 to 5.5)	375	4.5 (4.1 to 5.0)	-0.39 (-1.65 to 0.87)	-0.02 (-1.31 to 1.28)	0.96 (0.71 to 1.30)	
Death	76	6.5 (5.2 to 8.2)	315	3.8 (3.4 to 4.2)	2.8 (1.2 to 4.3) 2.8 (1.3 to 4.4)		1.62 (1.25 to 2.10)	
				Secondary prever	ntion			
	Discontinua	ation	Continuation		Rate difference	Subhazard ratio (95%		
	(12,271 per	son-years) ^a	(106,010 pers	on-years) ^a			CI) ^b	
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate		
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per		
Outcome		CI)		CI)	(CI)	1000 (CI) ^b		
MACE	761	62 (58 to 67)	5095	48 (47 to 49)	14 (9 to 19)	16(11 to 20)	1.24 (1.15 to 1.35)	
MI	256	20 (17 to 22)	1820	16 (16 to 17)	3.4 (0.8 to 5.9)	4.5(1.9 to 7.1)	1.21 (1.06 to 1.39)	
Stroke	360	28 (25 to 31)	2299	21 (20 to 22)	7.3 (4.3 to 10.3)	7.0(4.0 to 10.0)	1.20 (1.07 to 1.35)	
Revasc.	80	6.1 (4.9 to 7.6)	1125	10 (10 to 11)	-4.0 (-5.5 to -2.6)	-3.4(-4.9 to -1.9)	0.66 (0.53 to 0.84)	
Death	239	18 (16 to 20)	1074	9.4 (8.9 to 10.0)	8.4 (6.1 to 10.8)	9.0(6.6 to 11.3)	1.76 (1.52 to 2.03)	

^a Person years of follow-up for MACE

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status.

eTable 8. Summary of results with grace period of 30 days.

01481001	Primary prevention										
	Discontinua	ation	Continuation		Rate difference		Subhazard ratio (95%				
	(7,849 perso	on-years) ^a	(39,250 perso	n-years) ^a			CI) ^b				
	Crude	Crude incidence	Crude	Crude incidence	Crude rate difference	Weighted rate					
	events	rate per 1000 (95%	events	rate per 1000 (95%	per 1000 (CI)	difference per 1000					
Outcome		CI)		CI)		(CI) ^b					
MACE	245	31 (28 to 35)	883	22 (21 to 24)	8.7 (4.5 to 12.9)	9.4 (5.2 to 13.5)	1.24 (1.07 to 1.44)				
MI	69	8.6 (6.8 to 10.9)	250	6.2 (5.5 to 7.1)	2.4 (0.2 to 4.5)	2.5 (0.4 to 4.7)	1.23 (0.93 to 1.63)				
Stroke	135	17 (14 to 20)	460	12 (11 to 13)	5.5 (2.4 to 8.5)	5.6 (2.6 to 8.6)	1.28 (1.05 to 1.56)				
Revasc.	36	4.5 (3.2 to 6.2)	197	4.9 (4.3 to 5.7)	-0.46 (-2.08 to 1.15)	-0.61 (-2.22 to 0.99)	0.77 (0.53 to 1.11)				
Death	57	7.1 (5.4 to 9.1)	148	3.7 (3.1 to 4.3)	3.4 (1.5 to 5.3)	3.8 (1.9 to 5.8)	1.98 (1.44 to 2.72)				
				Secondary preve	ntion						
	Discontinua	ation	Continuation		Rate difference		Subhazard ratio (95%				
	(8,992 perso	on-years) ^a	(54,540 perso	n-years) ^a			CI) ^b				
	Crude	Crude incidence	Crude	Crude incidence	Crude rate difference	Weighted rate					
	events	rate per 1000 (95%	events	rate per 1000 (95%	per 1000 (CI)	difference per 1000					
Outcome		CI)		CI)		(CI) ^b					
MACE	568	63 (58 to 69)	2613	48 (46 to 50)	15 (10 to 21)	16(11 to 22)	1.18 (1.07 to 1.29)				
MI	189	20 (17 to 23)	940	17 (16 to 18)	3.4 (0.4 to 6.5)	4.1(1.0 to 7.1)	1.10 (0.94 to 1.30)				
Stroke	254	27 (24 to 31)	1103	20 (19 to 21)	7.7 (4.1 to 11.2)	7.1(3.6 to 10.6)	1.14 (0.99 to 1.31)				
Revasc.	72	7.6 (6.0 to 9.5)	611	11 (10 to 12)	-3.3 (-5.2 to -1.3)	-3.9(-5.8 to -1.9)	0.64 (0.50 to 0.82)				
Death	179	19 (16 to 21)	542	9.4 (8.7 to 10.3)	9.1 (6.3 to 11.9)	10(8 to 13)	1.83 (1.54 to 2.19)				

^a Person years of follow-up for MACE

b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status.

eTable 9. Summary of results with medication possession ratio threshold of ≥ 80%.

OTUBIO C.	Cummary Cr	results with medicali	on poodoodion	Primary prevention			
	Discontinua (10,395 pers		Continuation Rate difference			Subhazard ratio (95% CI) ^b	
Outcome	Crude events	Crude incidence rate per 1000 (95% CI)	Crude events	Crude incidence rate per 1000 (95% CI)	Crude rate difference per 1000 (CI)	Weighted rate difference per 1000 (CI) ^b	,
MACE	333	32 (29 to 36)	2330	24 (23 to 25)	8.0 (4.4 to 11.6)	8.0(4.3 to 11.6)	1.27 (1.13 to 1.44)
MI	86	8.0 (6.5 to 9.9)	646	6.5 (6.0 to 7.0)	1.6 (-0.2 to 3.3)	1.9(0.1 to 3.8)	1.29 (1.02 to 1.63)
Stroke	201	19 (17 to 22)	1303	13 (13 to 14)	5.9 (3.2 to 8.7)	5.5(2.7 to 8.2)	1.29 (1.10 to 1.51)
Revasc.	37	3.4 (2.5 to 4.7)	456	4.6 (4.2 to 5.0)	-1.1 (-2.3 to 0.0)	-0.24(-1.53 to 1.06)	1.00 (0.71 to 1.41)
Death	70	6.5 (5.1 to 8.2)	406	4.0 (3.6 to 4.4)	2.5 (0.9 to 4.0)	2.1(0.5 to 3.6)	1.45 (1.11 to 1.90)
				Secondary preven	tion		
	Discontinua	ation	Continuation		Rate difference	Subhazard ratio (95%	
	(11,206 pers	son-years) ^a	(126,948 pers	on-years) ^a			CI) ^b
Outcome	Crude events	Crude incidence rate per 1000 (95% CI)	Crude events	Crude incidence rate per 1000 (95% CI)	Crude rate difference per 1000 (CI)	Weighted rate difference per 1000 (CI) ^b	
MACE	676	60 (56 to 65)	6180	49 (47 to 50)	12 (7 to 16)	13(8 to 18)	1.29 (1.18 to 1.40)
MI	225	19 (17 to 22)	2239	17 (16 to 17)	2.2 (-0.4 to 4.7)	3.5(0.8 to 6.2)	1.24 (1.07 to 1.43)
Stroke	357	31 (28 to 34)	2799	21 (20 to 22)	9.4 (6.1 to 12.7)	9.0(5.7 to 12.3)	1.39 (1.24 to 1.56)
Revasc.	63	5.2 (4.1 to 6.6)	1345	10 (9 to 11)	-4.8 (-6.2 to -3.4)	-3.7(-5.2 to -2.2)	0.69 (0.53 to 0.90)
Death	194	16 (14 to 18)	1332	9.7 (9.2 to 10.2)	6.1 (3.8 to 8.3)	6.2(3.9 to 8.6)	1.57 (1.34 to 1.84)

^a Person years of follow-up for MACE

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status.

eTable 10. Summary of results with medication possession ratio threshold of ≥ 90%.

O TUBIO I	Primary provention											
	Primary prevention											
	Discontinua	ation	Continuation		Rate difference	Subhazard ratio (95%						
	(7,717 perso	on-years) ^a	(78,729 perso	n-years) ^a			CI) ^b					
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate						
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per	difference per 1000						
Outcome		CI)		CI)	1000 (CI)	(CI) ^b						
MACE	236	31 (27 to 35)	1876	24 (23 to 25)	6.8 (2.7 to 10.8)	7.1(2.9 to 11.2)	1.21 (1.04 to 1.39)					
MI	65	8.2 (6.4 to 10.4)	522	6.4 (5.9 to 7.0)	1.8 (-0.3 to 3.8)	2.3(0.1 to 4.5)	1.33 (1.02 to 1.75)					
Stroke	134	17 (15 to 20)	1036	13 (12 to 14)	4.3 (1.2 to 7.3)	4.1(1.0 to 7.1)	1.16 (0.96 to 1.41)					
Revasc.	27	3.4 (2.3 to 4.9)	368	4.5 (4.1 to 5.0)	-1.2 (-2.5 to 0.2)	-0.13(-1.65 to 1.39)	1.01 (0.67 to 1.52)					
Death	56	7.0 (5.4 to 9.1)	337	4.1 (3.7 to 4.6)	2.9 (1.0 to 4.8)	2.4(0.6 to 4.3)	1.49 (1.11 to 2.01)					
				Secondary preven	tion							
	Discontinua	ation	Continuation		Rate difference	Subhazard ratio (95%						
	(9,026 perso	on-years) ^a	(108,303 pers	on years) ^a			CI) ^b					
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate	1					
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per	difference per 1000						
Outcome		CI)		CI)	1000 (CI)	(CI) ^b						
MACE	528	59 (54 to 64)	5233	48 (47 to 50)	10 (5 to 15)	12(6 to 17)	1.26 (1.15 to 1.39)					
MI	172	18 (15 to 21)	1887	17 (16 to 17)	1.4 (-1.4 to 4.2)	2.9(-0.0 to 5.9)	1.21 (1.03 to 1.43)					
Stroke	278	30 (26 to 33)	2366	21 (20 to 22)	8.6 (5.0 to 12.2)	8.3(4.7 to 12.0)	1.37 (1.20 to 1.56)					
Revasc.	42	4.3 (3.2 to 5.8)	1148	10 (9 to 11)	-5.7 (-7.2 to -4.3)	-4.6(-6.1 to -3.0)	0.60 (0.43 to 0.82)					
Death	158	16 (14 to 19)	1133	9.7 (9.1 to 10.2)	6.3 (3.7 to 8.8)	6.3(3.7 to 8.9)	1.59 (1.33 to 1.89)					

^a Person years of follow-up for MACE

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status.

eTable 11. Summary of results with no medication possession ratio threshold.

			_	Primary preven	tion		
	Discontinua	ation	Continuation ^a		Rate difference		Subhazard ratio (95%
	(12,883 pers	son-years) ^a	(107,866 person years) ^a				CI) ^b
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate	- -
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per	
Outcome		CI)		CI)	(CI)	1000 (CI) ^b	
MACE	419	33 (30 to 36)	2564	24 (23 to 25)	8.8 (5.5 to 12.0)	9.2(5.9 to 12.5)	1.34 (1.20 to 1.49)
MI	113	8.5 (7.1 to 10.3)	714	6.4 (6.0 to 6.9)	2.1 (0.5 to 3.8)	2.7(1.0 to 4.4)	1.40 (1.14 to 1.72)
Stroke	247	19 (17 to 22)	1440	13 (12 to 14)	5.9 (3.4 to 8.3)	5.4(2.9 to 7.9)	1.31 (1.14 to 1.51)
Revasc.	54	4.1 (3.1 to 5.3)	495	4.5 (4.1 to 4.9)	-0.40 (-1.55 to 0.75)	0.51(-0.74 to 1.76)	1.17 (0.88 to 1.56)
Death	80	6.0 (4.8 to 7.5)	445	4.0 (3.6 to 4.3)	2.0 (0.7 to 3.4)	2.0(0.6 to 3.3)	1.43 (1.11 to 1.83)
				Secondary preve	ntion	,	
	Discontinua	ation	Continuation		Rate difference		Subhazard ratio (95%
	(13,263 pers	son-years) ^a	(137,508 person-years) ^a				CI) ^b
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate	7
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per	
Outcome		CI)		CI)	(CI)	1000 (CI) ^b	
MACE	801	60 (56 to 65)	6678	49 (47 to 50)	12 (7 to 16)	13(9 to 18)	1.29 (1.19 to 1.40)
MI	263	19 (17 to 21)	2405	17 (16 to 17)	2.1 (-0.2 to 4.5)	3.5(1.0 to 5.9)	1.23 (1.08 to 1.41)
Stroke	420	30 (28 to 34)	3044	21 (21 to 22)	9.2 (6.2 to 12.2)	8.6(5.5 to 11.6)	1.37 (1.23 to 1.53)
Revasc.	81	5.7 (4.6 to 7.0)	1463	10 (10 to 11)	-4.4 (-5.7 to -3.1)	-3.4(-4.8 to -2.0)	0.73 (0.58 to 0.92)
Death	222	15 (13 to 17)	1425	9.6 (9.1 to 10.1)	5.7 (3.7 to 7.8)	6.0(3.9 to 8.1)	1.56 (1.34 to 1.80)

^a Person years of follow-up for MACE

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status.

eTable 12. Summary of results using high dimensional propensity score in inverse probability of treatment weighting procedure.

				Primary prevent	tion		
	Discontinu	ıation	Continuation	on	Rate difference		Subhazard ratio (95%
	(11,709 pe	rson-years) ^a	(103,664 pe	erson years) ^a			CI) ^b
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate	
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per	
Outcome		CI)		CI)	(CI)	1000 (CI) ^b	
MACE	382	33 (30 to 36)	2481	24 (23 to 25)	8.7 (5.3 to 12.1)	9.1(5.7 to 12.6)	1.32 (1.17 to 1.49)
MI	102	8.5 (7.0 to 10.3)	692	6.5 (6.0 to 7.0)	2.0 (0.3 to 3.7)	2.8(1.0 to 4.6)	1.42 (1.12 to 1.79)
Stroke	229	19 (17 to 22)	1390	13 (13 to 14)	6.2 (3.6 to 8.8)	5.4(2.8 to 8.0)	1.29 (1.11 to 1.50)
Revasc.	47	3.9 (2.9 to 5.2)	477	4.5 (4.1 to 4.9)	-0.59 (-1.77 to 0.59)	0.45(-0.85 to 1.75)	1.15 (0.82 to 1.60)
Death	76	6.3 (5.0 to 7.8)	433	4.0 (3.6 to 4.4)	2.2 (0.8 to 3.7)	2.3(0.8 to 3.7)	1.47 (1.13 to 1.91)
				Secondary preve	ntion		
	Discontinu	ıation	Continuation	on	Rate difference		Subhazard ratio (95%
	(12,350 pe	rson-years) ^a	(133,374 pe	erson-years) ^a			CI) ^b
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate	
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per	
Outcome		CI)		CI)	(CI)	1000 (CI) ^b	
MACE	739	60 (56 to 64)	6472	49 (47 to 50)	11 (7 to 16)	14(9 to 18)	1.27 (1.17 to 1.38)
MI	248	19 (17 to 21)	2326	17 (16 to 17)	2.4 (-0.1 to 4.8)	3.7(1.2 to 6.3)	1.22 (1.06 to 1.41)
Stroke	382	30 (27 to 33)	2953	21 (21 to 22)	8.4 (5.4 to 11.5)	8.2(5.0 to 11.3)	1.31 (1.17 to 1.47)
Revasc.	74	5.5 (4.4 to 7.0)	1416	10 (10 to 11)	-4.5 (-5.9 to -3.1)	-3.8(-5.2 to -2.4)	0.66 (0.52 to 0.85)
Death	211	16 (14 to 18)	1387	9.6 (9.1 to 10.1)	6.0 (3.8 to 8.2)	7.2(4.9 to 9.4)	1.64 (1.40 to 1.92)

Death21116 (14 to 18)13879.6 (9.1 to 10.1)6.0 (3.8 to 8.2)7.2(4.9 to 9.4)1.64 (1.40 to 1.92)Abbreviations: CI = confidence interval; Death = death due to myocardial or ischemic stroke; MACE = major adverse cardiovascular events; MI = myocardial infarction; Revasc = revascularization procedure

^a Person years of follow-up for MACE

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated high dimensional propensity scores calculated from baseline age, sex, statin intensity, co-habitation status, and most common diagnoses and medications.

eTable 13. Revascularization outcome broken down by PCI and CABG.

			•	Primary preven	tion			
	Discontinu	ation	Continuation		Rate difference		Subhazard ratio (95%	
	(12,126 per	son years) ^a	(106,834 pers	on years) ^a			CI) ^b	
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate		
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per 1000		
Outcome		CI)		CI)	(CI)	(CI) ^b		
Revasc.	47	3.9 (2.9 to 5.2)	477	4.5 (4.1 to 4.9)	-0.59 (-1.77 to 0.59)	0.32 (-0.97 to 1.60)	1.12 (0.82 to 1.52)	
PCI	41	3.4 (2.5 to 4.6)	345	3.2 (2.9 to 3.6)	0.15 (-0.94 to 1.24)	0.81 (-0.37 to 1.99)	1.25 (0.90 to 1.75)	
CABG	6	0.49 (0.22 to 1.10)	133	1.1 (1.1 to 1.5)	-0.75 (-1.20 to -0.30)	-0.50(-1.01 to 0.01)	0.68 (0.30 to 1.55)	
				Secondary preve	ntion			
	Discontinu	ation	Continuation		Rate difference		Subhazard ratio (95%	
	(13,336 per	son years) ^a	(140,970 person years) ^a				CI) ^b	
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate		
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per 1000		
Outcome		CI)		CI)	(CI)	(CI) ^b		
Revasc.	74	5.5 (4.4 to 7.0)	1416	10 (10 to 11)	-4.5 (-5.9 to -3.1)	-3.4 (-4.8 to -1.9)	0.73 (0.57 to 0.93)	
PCI	69	5.2 (4.1 to 6.6)	1206	8.6 (8.1 to 9.1)	-3.4 (-4.7 to -2.1)	-2.2(-3.7 to -0.9)	0.79 (0.61 to 1.01)	
CABG	5	0.37 (0.16 to 0.90)	214	1.5 (1.3 to 1.7)	-1.1 (-1.5 to -0.8)	-1.1(-1.5 to -0.7)	0.32 (0.13 to 0.77)	

Abbreviations: CABG = coronary artery bypass graft; CI = confidence interval; PCI = percutaneous coronary intervention; Revasc = revascularization procedure

^a Person years of follow-up for revascularizations

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status. The grace period (180 days) and medication possession ratio cutoff (70%) were the same as for the main analysis.

eTable 14. General Practitioner (GP) contacts^a each year of follow-up.

	Incidence of GP cor	ntacts per 1000 persons						
Year	Discontinuation	Continuation						
Primary prevention								
2011 ^b	2912	6414						
2012	6380	11750						
2013	7953	11593						
2014	9471	11594						
2015	10138	11754						
2016	10084	11560						
	Secondary prev	ention						
2011 ^b	3411	7242						
2012	7144	13123						
2013	8833	12892						
2014	10296	12991						
2015	11010	12999						
2016	11073	12665						

^a Included any GP contact (e.g. in-person visit, home visit, telephone consultation, email) ^b Follow up started June 30, 2011

eTable 15. Crude incidence of mortality for causes other than MI and ischemic stroke.

	Incidence of morta	ality per 1000							
Year of follow-up	Discontinuation	Continuation							
	Primary								
1	130 (105-161)	42 (39-44)							
2	147 (129-167)	49 (46-52)							
3	113 (100-128)	46 (43-49)							
4	125 (112-139)	53 (50-57)							
5	148 (135-163)	57 (54-61)							
>5	176 (157-198)	60 (54-67)							
Overall	139 (132-145)	49 (48-50)							
	Secondary								
1	209 (179-243)	42 (39-44)							
2	211 (191-233)	49 (46-52)							
3	192 (176-210)	46 (43-49)							
4	209 (193-227)	53 (50-57)							
5	231 (214-249)	57 (54-61)							
>5	247 (223-274)	60 (54-67)							
Overall	216 (208-224)	49 (48-50)							

eTable 16. Other cardiovascular medication use approaching statin discontinuation date^a in statin discontinuation group.

Medication	edication 180 day period before discontinuation date		Baseline								
	Primary										
ASA	2651 (32%)	3213 (39%)	3549 (43%)								
Thiazides	1631 (20%)	1940 (23%)	2314 (28%)								
ACE/ARB	3954 (48%)	4531 (55%)	4651 (56%)								
	Secor	ndary									
ASA	5314 (54%)	6398 (65%)	7294 (74%)								
Thiazides	1562 (16%)	1920 (19%)	2279 (23%)								
ACE/ARB	4397 (45%)	5174 (53%)	5471 (56%)								

Abbreviations: ACE/ARB = angiotensin converting enzyme inhibitor or angiotensin receptor blocker; ASA = aspirin

^a end of grace period

eTable 17. Crude incidence of MACE each year of follow-up.

	Incidence of MACE	per 1000 persons
Year of follow-up	Discontinuation	Continuation
Primary		
1	36 (24-54)	24 (22-26)
2	33 (25-43)	22 (20-24)
3	37 (30-46)	25 (22-27)
4	32 (26-39)	25 (22-27)
5	31 (25-38)	26 (23-29)
>5	29 (22-39)	21 (18-25)
Secondary		
1	75 (58-97)	53 (51-55)
2	60 (50-72)	51 (49-54)
3	62 (53-73)	45 (43-48)
4	59 (50-68)	48 (45-51)
5	57 (49-66)	43 (40-47)
>5	56 (45-69)	39 (35-44)

eTable 18. Summary of results for all-cause and non-cardiovascular mortality .

	Primary prevention							
	Discontinua	ation	Continuation		Rate difference		Subhazard ratio (95%	
	(12,239 pers	son years) ^a	(108,930 perso	on years) ^a			CI) ^b	
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate		
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per 1000		
Outcome		CI)		CI)	(CI)	(CI) ^b		
All-cause	1873	153 (146 to 160)	6158	57 (55 to 58)	97 (89 to 104)	89 (82 to 96)	2.35 (2.22 to 2.49)	
Non-CV	1775	146 (139 to 153)	5642	52 (51 to 54)	94 (87 to 101)	87(80 to 93)	2.42 (2.28 to 2.56)	
				Secondary preve	ntion			
	Discontinua	ation	Continuation		Rate difference		Subhazard ratio (95%	
	(13,768 pers	son years) ^a	(147,668 person years) ^a				CI) ^b	
	Crude	Crude incidence	Crude	Crude incidence	Crude rate	Weighted rate		
	events	rate per 1000 (95%	events	rate per 1000 (95%	difference per 1000	difference per 1000		
Outcome		CI)		CI)	(CI)	(CI)b		
All-cause	3369	245 (237 to 253)	14527	98 (97 to 100)	146 (138 to 155)	140(131 to 148)	2.29 (2.20 to 2.39)	
Non-CV	3073	227 (219 to 235)	12664	88 (86 to 89)	139 (131 to 148)	133(124 to 141)	2.38 (2.28 to 2.48)	

Abbreviations: CI = confidence interval; CV = cardiovascular

^a Person years of follow-up for all-cause mortality

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status. The grace period (180 days) and medication possession ratio cutoff (70%) were the same as for the main analysis.

eTable 19. Summary of results for negative control outcome (hip fracture).

	•			Primary preven	tion		
	Discontinua	ation	Continuation		Rate difference		Subhazard ratio (95%
	(10,884 pers	son years) ^a	(102,406 pers	on years) ^a			CI) ^b
Outcome	Crude events	Crude incidence rate per 1000 (95% CI)	Crude events	Crude incidence rate per 1000 (95% CI)	Crude rate difference per 1000 (CI)	Weighted rate difference per 1000 (CI) ^b	
Hip fract ^c	225	21 (18 to 24)	1169	11 (11 to 12)	9.3 (6.5 to 12.0)	7.6(4.8 to 10.3)	1.51 (1.30 to 1.75)
				Secondary preve	ntion		
	Discontinua	ation	Continuation	ntinuation Rate difference			Subhazard ratio (95%
	(12,011 pers	son years) ^a	(137,361 pers	on years) ^a			CI) ^b
Outcome	Crude events	Crude incidence rate per 1000 (95% CI)	Crude events	Crude incidence rate per 1000 (95% CI)	Crude rate difference per 1000 (CI)	Weighted rate difference per 1000 (CI) ^b	
Hip fractc	308	26 (23 to 29)	2017	15 (14 to 15)	11 (8 to 14)	8.5(5.6 to 11.4)	1.45 (1.28 to 1.64)

Abbreviations: fract = fracture

^a Person years of follow-up for hip fracture

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, sex, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status. The grace period (180 days) and medication possession ratio cutoff (70%) were the same as for the main analysis.

^c Hip fracture was determined using the following ICD-10 codes: DS720, DS721, DS722 (Hjeholt et al. Clinical Epidemiology 2020:12 123–131)

eTable 20. Summary of results sex-stratified MACE analysis.

				Primary preven	tion		
	Discontinu	uation	Continuati	on	Rate difference		Subhazard ratio (95%
	(3,048-m;	8,661-f) ^a	(34,470-m;	68,925-f) ^a			CI) ^b
Outcome	Crude events	Crude incidence rate per 1000 (95% CI)	Crude events	Crude incidence rate per 1000 (95% CI)	Crude rate difference per 1000 (CI)	Weighted rate difference per 1000 (CI) ^b	
MACE-m	127	42 (35 to 50)	1041	30 (28 to 32)	12 (4 to 19)	12(5 to 19)	1.34 (1.10 to 1.63)
MACE-f	255	29 (26 to 33)	1440	21 (20 to 22)	8.5 (4.8 to 12.3)	7.7(3.8 to 11.6)	1.32 (1.15 to 1.52)
				Secondary preve	ntion		
	Discontinu	uation	Continuati	on	Rate difference		Subhazard ratio (95%
	(5,197-m;	7,153-f) ^a	(70,192-m;	63,182-f) ^a			CI) ^b
Outcome	Crude events	Crude incidence rate per 1000 (95% CI)	Crude events	Crude incidence rate per 1000 (95% CI)	Crude rate difference per 1000 (CI)	Weighted rate difference per 1000 (CI) ^b	
MACE-m	327	63 (56 to 70)	3734	53 (52 to 55)	9.7 (2.7 to 16.8)	12(6 to 19)	1.21 (1.08 to 1.36)
MACE-f	412	58 (52 to 63)	2738	43 (42 to 45)	14 (8 to 20)	14(7 to 20)	1.36 (1.22 to 1.52)

Abbreviations: f = female; m = male; MACE-m = major adverse cardiovascular events in males to MACE-w = major adverse cardiovascular events in females

^a Person years of follow-up for MACE

^b Adjusted estimates obtained in an inverse probability of treatment weighted (IPTW) pseudo-population using stabilized weights. Weights incorporated propensity scores calculated from baseline age, number of concomitant medications, individual medications, co-morbidities, statin intensity, and co-habitation status. The grace period (180 days) and medication possession ratio cutoff (70%) were the same as for the main analysis.

STROBE Statement—Checklist of items that should be included in reports of cohort studies

	Item No	Recommendation	Page No
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	3
Introduction	I		•
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	4
Objectives	3	State specific objectives, including any prespecified hypotheses	4
Methods			
Study design	4	Present key elements of study design early in the paper	5
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	5,6
Participants	6	(a) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up	5,6
		(b) For matched studies, give matching criteria and number of exposed and unexposed	
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	6, supp material
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	5, 6, supp material
Bias	9	Describe any efforts to address potential sources of bias	7
Study size	10	Explain how the study size was arrived at	5
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	7
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	7
		(b) Describe any methods used to examine subgroups and interactions	
		(c) Explain how missing data were addressed	
		(d) If applicable, explain how loss to follow-up was addressed	
		(e) Describe any sensitivity analyses	
Results	_1		

Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	9
		(b) Give reasons for non-participation at each stage (c) Consider use of a flow diagram	
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	9, Table 1 and 2
		(b) Indicate number of participants with missing data for each variable of interest	
		(c) Summarise follow-up time (eg, average and total amount)	
Outcome data	15*	Report numbers of outcome events or summary measures over time	9, 10

Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	9, 10
		(b) Report category boundaries when continuous variables were categorized	
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	9, 10
Discussion			
Key results	18	Summarise key results with reference to study objectives	12
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	13,14
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	14
Generalisability	21	Discuss the generalisability (external validity) of the study results	13,14
Other informati	on		•
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	17

^{*}Give information separately for exposed and unexposed groups.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at http://www.plosmedicine.org/, Annals of Internal Medicine at http://www.annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at http://www.strobe-statement.org.