

Supplemental Table 1: Sensitivity analysis, medication use (defined as 2 or more visits where medication was used) and risk of clinically-detected atrial fibrillation in longitudinal analyses

Opioid use		Gabapentinoid use		NSAID use	
Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)	Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)	Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)
1.16 (0.77, 1.74)	1.10 (0.73, 1.66)	1.10 (0.60, 2.00)	1.07 (0.69, 1.66)	0.88 (0.72-1.06)	1.02 (0.84-1.25)

^aAdjusted for: age, sex, site, race, height, weight, diabetes, treated hypertension, systolic blood pressure, smoking, alcohol use.
Abbreviations: NSAID, non-steroidal anti-inflammatory drug; HR, hazard ratio; CI, confidence interval.

Supplemental Table 2: Sensitivity analysis, most common types of specific opioid and gabapentinoid medication use and risk of clinically-detected atrial fibrillation in longitudinal analyses

Hydrocodone use		Tramadol use		Gabapentin use	
Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)	Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)	Unadjusted HR (95% CI)	Adjusted HR ^a (95% CI)
0.87 (0.49, 1.54)	0.84 (0.48, 1.49)	1.26 (0.76, 2.11)	1.04 (0.62, 1.74)	1.28 (0.80, 2.04)	1.08 (0.67, 1.72)

^aAdjusted for: age, sex, site, race, height, weight, diabetes, treated hypertension, systolic blood pressure, smoking, alcohol use.
Abbreviations: HR, hazard ratio; CI, confidence interval.

Supplemental Table 3: Cross-sectional associations between medication use and the incidence of monitor-detected supraventricular tachycardia, Multi-Ethnic Study of Atherosclerosis Exam 6

	Opioid		Gabapentinoid		NSAID	
	Unadjusted (95% CI)	Adjusted ^a (95% CI)	Unadjusted (95% CI)	Adjusted ^a (95% CI)	Unadjusted (95% CI)	Adjusted ^a (95% CI)
Incidence of SVT, rate ratio	1.18 (0.81, 1.71)	1.17 (0.81, 1.69)	1.38 (1.00, 1.90)	1.41 (1.02, 1.97)	1.04 (0.82, 1.32)	0.96 (0.74, 1.23)

^aAdjusted for: age, sex, site, race, height, weight, diabetes, treated hypertension, systolic blood pressure, smoking, alcohol use, history of myocardial infarction, stroke and heart failure, physical activity, self-reported health, and self-reported pain interfering with work.
Abbreviations: NSAID, non-steroidal anti-inflammatory drug; SVT, supraventricular tachycardia; CI, confidence interval.