

# **Supplemental Material**

**Table S1. Coding and criteria for outcome assessment.**

Variable	Database(s)	ICD-10 Code(s) or Algorithm	Diagnosis Type
Stroke	CIHI-DAD	I60, I61, I64, H341	Primary or most responsible
Atrial Fibrillation	CIHI-DAD, NACRS, ODB, OHIP	1 HOSP admission (ICD-10: I48) OR 1 NACRS visit (I-480 ) OR 1 rhythm control medication (Amiodarone HCL, Fecainde Acetate, Propafenone HCL, Sotalol HCL) OR 1 Anticoagulation medication (Warfarin Sodium) + 1 OHIP visit (G45) OR 1 Cardioversion procedure (Z437) + 1 OHIP visit (G45)	Primary or most responsible (for HOSP codes)
Death	RPDB	Date of death	N/A

ICD-10=International Classification of Diseases, Version 10; CIHI-DAD=Canadian Institute for Health Information Discharge Abstract Database; NACRS=National Ambulatory Care Reporting System; ODB=Ontario Drug Benefit Claims database; OHIP=Ontario Health Insurance Plan database; RPDB=Ontario Registered Persons Database

**Table S2. Two and five year absolute person-time incidence rates (per 1000 person years) of ischemic stroke (primary outcome), incident AF and death (secondary outcomes) for those with both moderate-severe LAE and excessive atrial ectopy (EAE) (N=232) compared to normal left atrial diameter and normal ectopic frequency (N=4456); p-value for rate difference.**

<b>Left Atrial Enlargement and Atrial Ectopy Composite</b>			
<b>Outcomes</b>	<b>Normal</b>	<b>LAE+EAE</b>	<b>p-value</b>
<b>2 YEAR RATE</b>			
<b><i>Ischemic Stroke</i></b>			
Rate in 1000 PY (95%CI)	1.8 (1.1-2.9)	4.5 (1.1-18.1)	
Total event counts	15	≤5	
Total PY	8552.01	442.87	
Mean follow-up PY	1.92	1.91	
Median follow-up PY	2.00	2.00	0.26
<b><i>Incident AF</i></b>			
Rate in 1000 PY (95%CI)	41.6 (37.4-46.3)	144.4 (110.3-189.0)	
Total event counts	336	53	
Total PY	8072.02	367.13	
Mean follow-up PY	1.81	1.58	
Median follow-up PY	2.00	2.00	<.0001
<b><i>Death</i></b>			
Rate in 1000 PY (95%CI)	7.7 (6.1-9.8)	22.5 (12.1-41.8)	
Total event counts	66	10	
Total PY	8562.64	445.02	
Mean follow-up PY	1.92	1.92	
Median follow-up PY	2.00	2.00	.006
<b>5 YEAR RATE</b>			
<b><i>Ischemic Stroke</i></b>			
Rate in 1000 PY (95%CI)	2.1 (1.5-2.9)	5.6 (2.3-13.5)	
Total event counts	36	≤5	
Total PY	17246.03	891.98	
Mean follow-up PY	3.87	3.84	
Median follow-up PY	4.54	4.65	0.08
<b><i>Incident AF</i></b>			
Rate in 1000 PY (95%CI)	29.0 (26.5-31.8)	106.5 (84.7-134.0)	
Total event counts	461	73	
Total PY	15901.77	685.37	
Mean follow-up PY	3.57	2.95	
Median follow-up PY	4.10	3.05	<.0001

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**Death**

Rate in 1000 PY (95%CI)	10.3 (8.9-12.0)	17.8 (10.9-29.1)	
Total event counts	179	16	
Total PY	17300.34	899.03	
Mean follow-up PY	3.88	3.88	
Median follow-up PY	4.56	4.75	<b>0.05</b>

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