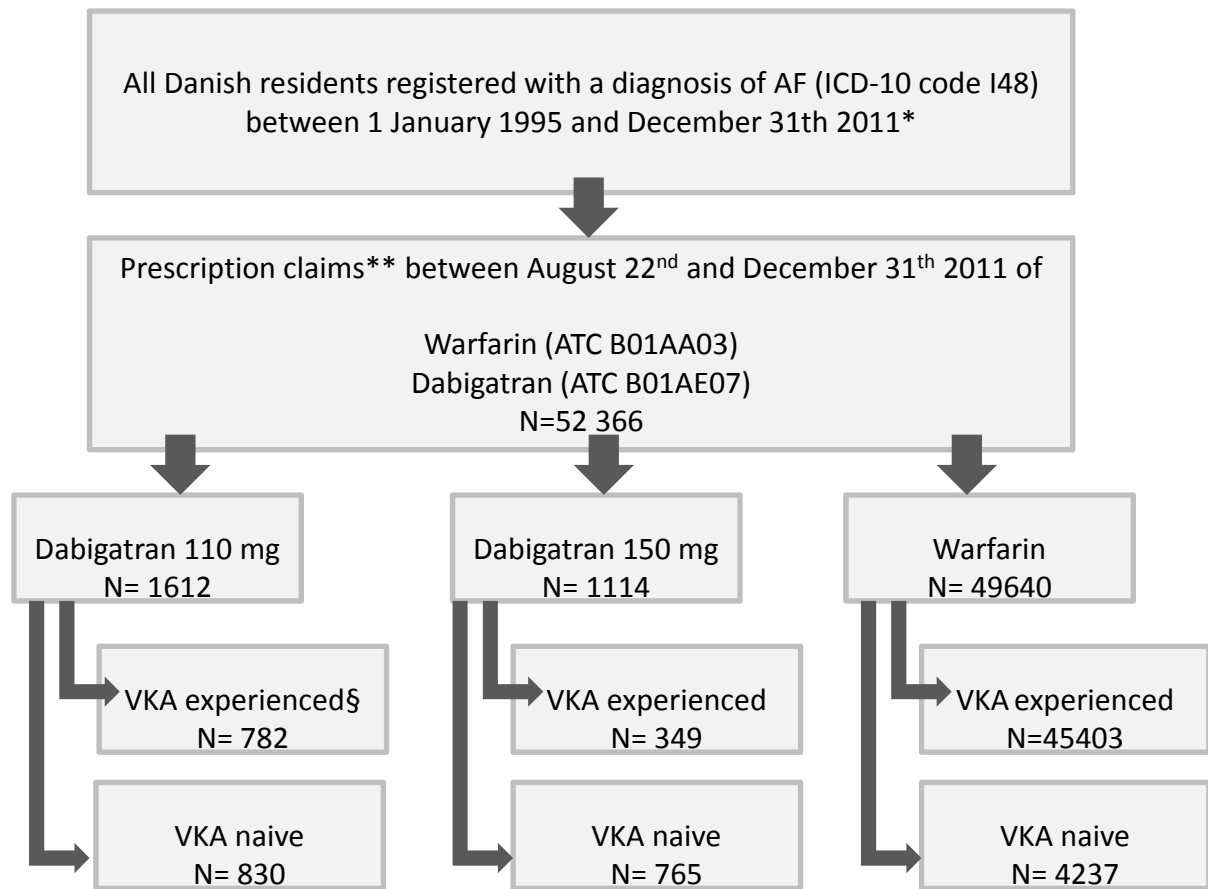


## Supplementary figure 1: Study population



\*In the Danish National Patient Register. Patients admitted to hospital, managed in an outpatient clinic/ambulatory or seen at an emergency department were included

\*\*obtained from the prescription register

§ vitamin K antagonist (VKA). Prescription claims of warfarin from 0-180 days prior to baseline stratification were classified as VKA experienced. If no prescription in this period patients were classified as VKA naïve.

Supplementary Table 1. ICD-8 and ICD-10 codes, ATC codes and definitions of comorbidity and concomitant medical treatment.

	ICD-8 codes*	ICD-10 codes*	ATC codes**	Definition
<b>Concomitant medical treatment</b>				
Digoxin			'C01AA05'	claimed prescription of this ATC code after discharge
Amiodarone			'C01BD01'	claimed prescription of this ATC code after discharge
Class 1C AA			'C01B'	claimed prescription of this ATC code after discharge
Sotalol			'C07AA'	claimed prescription of this ATC code after discharge
betablockers			'C07'	claimed prescription of this ATC code after discharge
nondihydropyridine CCBs			'C08DA'	claimed prescription of this ATC code after discharge
NSAIDs			'M01A'	claimed prescription of this ATC code after discharge
Aspirin			'N02BA'	claimed prescription of this ATC code after discharge
<b>Comorbidity</b>				
congestive heart failure	'425', '4270-1'	'I11', 'I42', 'I50'	'C03C'	A combination of the heart failure diagnose and use of loop diuretic.
hypertension			'C02A', 'C02B', 'C02C', 'C07', 'C09', 'C07f', 'C08', 'C02DA', 'C02L', 'C03A', 'C03B', 'C03D', 'C03E', 'C03X', 'C07C', 'C07D', 'C08G', 'C09BA', 'C09DA', 'C09XA52', 'C02DB', 'C02DD', 'C02DG', 'C04', 'C05'	Hypertension was defined as use of at least two classes of antihypertensiva
diabetes mellitus			'A10'	Diabetes was defined as a claimed prescription of glucose lowering drugs
previous thromboembolism	'433-8', '444', '450'	'I63', 'I64', 'G458', 'G459', 'I74'		Previous tromboembolism was defined as presence of one of the diagnoses anytime before admission for AF
peripheral vascular disease	'410', '440'	'I21', 'I22', 'I702-I709', 'I700'		Previous vascular disease was defined as presence of one of the diagnoses anytime before admission for AF

Alcohol	'E244', 'E52', 'F1', 'G312', 'G621', 'G721', 'I426', 'K292', 'K70', 'K860', 'L278A', 'O354', 'T51', 'Z714', 'Z721'	Alcohol abuse was defined as diagnosis of adverse alcohol consumption any time before admission for AF.
liver disease	'B15-B19', 'C22', 'D684C', 'I982B', 'K70-K77', 'DQ618A', 'Z944'	Liver disease was defined as admittance with diagnoses of liver cancer, chronic liver disease, liver surgery, cirrhosis, and hepatitis before AF diagnose
kidney disease	'E102', 'E112', 'E132', 'E142', 'I120', 'M200', 'M313', 'M319', 'M321B', 'N02-N08', 'N11- N12', 'N14', 'N18-N19', 'N26', 'N158-N160', 'N162-N164', 'N168', 'Q612-Q613', 'Q615', 'Q619'	Kidney disease was defined as a diagnose of chronic glomerulonephritis, chronic tubulointestinal nephropathy, non-end-stage chronic kidney disease, and diabetic and hypertensive nephropathy acquired before admission for AF
previous bleeding	'I60-I62', 'S06.4-06.6', 'J94.2', 'R04', 'K25.0', 'K25.2', 'K25.4', 'K26.0', 'K26.2', 'K26.4', 'K27.0', 'K27.2', 'K28.0', 'K28.2', 'K92.0- 92.2', 'R31'	Previous bleeding was defined as an admittance with one of the listed ICD-10 diagnoses within 180 days before the admission for AF

\*International Classification of Diseases

\*\* Anatomical Therapeutic Chemical classification system