

	HALAL
Atrial Fibrillation	I48
Non-Valvular Atrial Fibrillation	<p>Presence of: I48</p> <p>With absence of:</p> <p>Rheumatic heart valve disease:</p> <p>Prostatic heart valve</p>
Rheumatic heart valve disease	<p>ICD8: 4240, 4241, 39500- 39502, 39508, 39509, 39600-39604, 39608, 39609</p> <p>ICD10:Z952, Z954, I05, I06, I080A, I081A, I082A, I083A</p>
Prostatic heart valve	KFKD, KFKH, KFMD, KFMH, KFGE, KFJF
Hip or knee replacement surgery	KNFB, KNFC, KNGB, KNGC
DVT+PE	I801, I802, I803, I808, I809, I821, I822, I823, I828, I829, I26
Stroke / TCI / Systemic embolism and thrombosis	<p>Ischemic: I63, I64</p> <p>Hemorrhagic: I60, I61, I62</p> <p>Traumatic: S064, S065, S066</p> <p>TCI: G459, G458</p> <p>Systemic embolism and thrombosis: I74</p>
Bleeding (without hemorrhagic stroke)	Heart: I312

	<p>Urine: N02, R31</p> <p>Airways: R04</p> <p>Eye: H313, H356, H431, H450, H052A</p> <p>Gastro intestinal: K228F, K250, K252, K254, K256, K260, K262, K264, K266, K270, K272, K274, K276, K280, K282, K284, K286, K290, K298A, K625, K638B, K638C, K661, K838F, K868G, K920, K921, K922, I850, I864A</p> <p>Intra-dural bleeds not hemorrhagic stroke: S064, S065, S066, G951A</p> <p>Retro-peritoneal: S368D</p> <p>Thorax: J942</p> <p>Anemia due to bleeding: D500, D62</p>
Heart Failure	<p>Cardiomyopathy: I42</p> <p>Heart failure: I50, I110</p> <p>Lung edema: J81,</p>
ACS/AP/AMI/Ischemic Heart Disease	<p>Ischemic Heart Disease: I20-I25</p> <ul style="list-style-type: none"> • Angina pectoris: I20 (Should not be used for AMI only ACS) • Acute myocardial infarction: I21, I22 • Complications to AMI: I23, • Other forms of ischemic heart disease: I24, I25
Peripheral atherosclerosis	I70
Cancer	Presence of: C
Chronic Kidney Disease	N02, N03, N04, N05, N06, N07, N08, N11, N12, N14, N18, N19, N26, N158, N159,

	N160,N162, N163, N164,N168 Q61, E102, E112,E132,E142, I120, M321B
Chronic Obstructive Pulmonary Disease	J42, J43, J44
Liver disease	B15,B16,B17,B18,B19,C22,K70,K71,K72,K73,K74,K75,K76,K77,Z944,I982, D684C
Diabetes Mellitus	Insulin: A10A Non-Insulin: A10B
Alcohol	ICD10: F10, K70, E52,T51, K860,E244,G312,I426,O354,Z714,Z721,G621,G721,K292, L278A ATC: N07BB
Hyperthyroidism	H03B
Hypothyroidism	H03A
Percutaneous Coronary Intervention	KFNG00, KFNG02, KFNG05, KFNG10, KFNG12, KFNG96
Coronary Artery Bypass Grafting	KFNA,KFNB,KFNC,KFND,KFNE, KFNH20
Cardioversion	Atrial fibrillation: BFFA00, BFFA01, BFFA04
Ablation	Atrial fibrillation: BFFB04
VKA	Warfarin: B01AA03

	Phenprocoumon: B01AA04
Heparin	B01AB
Dabigatran	B01AE07
Rivaroxaban	B01AF01
Apixaban	B01AF02
Hypertension as usage of combination of at least two of the seven different drugs classes at the same time.	<ol style="list-style-type: none"> 1. Non-Loop: Thiazides C02L, C02DA, C07B, C07D, C09XA52, C03A,C03EA; Low-ceiling diuretics (excl. thiazides): C03B, C03X, C07C, C08G, C09BA, C09DA; Potassium-sparing agents (spiron): C03D,C03E,C03EB 2. Loop: High-ceiling diuretics (Loop) C03C,C03EB 3. Antiadrenergic agents: C02A,C02B, C02C 4. Beta-blockers: C07A,C07B,C07C,C07D,C07F 5. Vasodilators: C02DB,C02DD,C02DG 6. Calcium channel blockers: C08,C09BB,C09DB 7. RASi:C09AA,C09BA,C09BB,C09CA,C09DA,C09DB,C09XA02,C09XA52
Verapamil	C08DA
Amiodarone	C01BD01
Dronedaron	C01BD07
Flecainide	C01BC
Acetylsalicylic acid	B01AC06,N02BA01
NSAID	M01A without M01AX05
Dipyridamol	B01AC07

ADP inhibitors	B01AC04,B01AC24,B10AC22
Digoxin	C01AA
CHA ₂ DS ₂ -VASc	65≤ age <75: 1 point Age ≥75: 2 point Female sex: 1 point Heart failure: 1 point Hypertension: 1 point Ischemic stroke / TCI / Systemic embolism and thrombosis: 2 points Ischemic Heart Disease or Peripheral atherosclerosis: 1 point Diabetes: 1 point
HAS-BLED	Age >65: 1 point Hypertension: 1 point Chronic kidney disease: 1 point Liver disease: 1 point Ischemic stroke / TCI / Systemic embolism and thrombosis: 1 points Bleeding: 1 point ASA or ADP inhibitors or Dipyridamol or NSAID: 1 point Alcohol: 1 point