

Kjerpeseth LJ, Iglan J, Selmer R, et al. *Heart* 2020**Supplementary Table 1.** ICD codes defining atrial fibrillation in hospital and cause-of-death records and comorbidities in hospital records.

Variable	ICD-10 diagnosis codes
Atrial fibrillation	I48 (or ICD-9 code 427.3)
Cerebrovascular disease	G45, G46, H34.0, I60-I69
Stroke	I60, I61, I63, I64
Coronary heart disease	I20-I25
Myocardial infarction	I21, I22, I25.2
Heart failure	I09.9, I11.0, I13.0, I13.2, I25.5, I42.0, I42.5-I42.9, I43, I50, I50, I51.5, I51.7
Valvular heart disease	I05-I09, I34-I36
Pacemaker, ICD	Z45.0, Z95.0
Hypertension	I10, O10.0,
Peripheral vascular disease	I70, I71, I73.1, I73.8, I73.9, I77.1, I79.0, I79.2, K55.1, K55.8, K55.9, Z95.8, Z95.9
Dyslipidaemias	E78
Diabetes mellitus	E10-E14
Renal disease	I12.0, I13.1, N03.2-N03.7, N05.2-N05.7, N18, N19, N25.0, Z49, Z94.0, Z99.2
Chronic pulmonary disease	I27.8, I27.9, J40-J47, J60-J67, J68.4, J70.1, J70.3
Pneumonia	J12-J18
Malignancy	C00-C43, C45-C85, C88-C97
Dementia	F00-F03, F05.1, G30, G31.1, G31.0, G31.2, G31.8
Frailty (undernourished, vitamin deficiency, fall, delirium)	E40-E64, W0n, F05.x
Bleeding and peptic ulcer (gastrointestinal and other bleeding, anaemia, peptic ulcer)	I85.0, I98.3, K22.6, K25.0, K25.2, K25.4, K25.6, K26.0, K26.2, K26.4, K26.6, K27.0, K27.2, K27.4, K27.6, K28.0, K28.2, K28.4, K28.6, K29.0, K62.5, K92.0-K92.2, D62, D68.3, H31.3, H35.6, H43.1, H45.0, I23.0, I31.2, J94.2, K66.1, M25.0, N42.1, N83.6, N83.7, N85.7, N89.7, N92.0-N92.3, N92.4 N93, N95.0, R04, R31, R58, D50-D59, D60-D64, K25-K28
Thromboembolism (venous thromboembolism, coagulation/ platelet defects)	I26, I80.1-I80.3, I80.8, I80.9, I81, I82, D65-D69
Hypo- or hyperthyreosis	E03, E05

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Autoimmune diseases (inflammatory bowel disease, coeliac disease, psoriasis incl. complications, rheumatic disease)	K50, K51, K90.0, L40, M07.0, M07.2, M07.3 M05-M06, M31.5, M32-M34, M35.1, M35.3, M36.0
Alcohol misuse and liver disease	E24.4, F10, G31.2, G62.1, G72.1, I42.6, K29.2, K70, K85.2, K86.0, O35.4, P04.3, R78.0, T51, Y90-Y91, Z50.2, Z71.4, Z72.1, B18, I85, I86.4, I98.2, K70.0-K70.4, K70.9, K71.1, K71.3-K71.5, K71.7, K72.1, K72.9, K73, K74, K76.0, K76.2-K76.5, K76.7-K76.9, Z94.4
<b>Charlson Index comorbidites</b>	
Myocardial infarction	I21, I22, I25.2
Congestive heart failure	I09.9, I11.0, I13.0, I13.2, I25.5, I42.0, I42.5-I42.9, I43, I50, P29.0
Peripheral vascular disease	I70, I71, I73.1, I73.8, I73.9, I77.1, I79.0, I79.2, K55.1, K55.8, K55.9, Z95.8, Z95.9
Cerebrovascular disease	G45, G46, H34.0, I60-I69
Dementia	F00- F03, F05.1, G30, G31.1
Chronic pulmonary disease	I27.8, I27.9, J40-J47, J60-J67, J68.4, J70.1, J70.3
Rheumatic disease	M05-M06, M31.5, M32-M34, M35.1, M35.3, M36.0
Peptic ulcer disease	K25-K28
Mild liver disease	B18, K70.0-K70.3, K70.9, K71.3-K71.5, K71.7, K73, K74, K76.0, K76.2-K76.4, K76.8, K76.9, Z94.4
Moderate/severe liver disease	I85, I86.4, I98.2, K70.4, K71.1, K72.1, K72.9, K76.5-K76.7
Diabetes without chronic complication	E10.0, E10.1, E10.6, E10.8 E10.9, E11.0, E11.1, E11.6, E11.8, E11.9, E12.0, E12.1, E12.6, E12.8, E12.9, E13.0, E13.1, E13.6, E13.8, E13.9, E14.0, E14.1, E14.6, E14.8, E14.9
Diabetes with chronic complication	E10.2-E10.5, E10.7, E11.2-E11.5, E11.7, E12.2-E12.5, E12.7, E13.2-E13.5, E13.7, E14.2-E14.5, E14.7
Hemiplegia or paraplegia	G04.1, G11.4, G80.1, G80.2, G81, G82, G83.0-G83.4, G83.9
Renal disease	I12.0, I13.1, N03.2-N03.7, N05.2-N05.7, N18, N19, N25.0, Z49, Z94.0, Z99.2
Any malignancy	C00-C43, C45-C76, C81-C85, C88-C97
Metastatic solid tumor	C77-C80
AIDS/HIV	B20-B22, B24

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ICD is implantable cardioverter-defibrillator