

**Web-only table 1.** ICD-codes and ATC drug codes used in the study.

<b>Diagnosis</b>	<b>ICD-8 codes</b>	<b>ICD-10 codes</b>	<b>Drug code</b>
Heart failure	425, 4270, 4271	I110, I42, I50, J819	C03C
Hypertension	N/A	N/A	C02A, C02B, C02C, C02DA, C02L, C03A, C03B, C03D, C03E, C03X, C07C, C07D, C08G, C09BA, C09DA, C09X, A52, C02DB, C02DD, C02DG, C04, C05, C07, C07F, C08, C09BB, C09DB, C09
Thromboembolism and transient ischemic attack	433-438, 444, 450	G458, G459, I26, I63, I64, I74	N/A
Vascular disease	410, 440	I21, I22, I700, I702-I709	N/A
Diabetes	249, 250	E10, E11, E14	A10
Intracranial bleeding	N/A	I60-62	N/A
Gastrointestinal bleeding	N/A	I850, K250, K252, K254, K256, K260, K262, K264, K266, K270, K272, K274, K276 K280, K920, K921	N/A
Haematuria	N/A	N02, R31	N/A

**N/A:** not applicable, i.e. not used for this study.

**Web-only table 2.** Incidence rates per 100 person years for men (top) and women (bottom) with incident atrial fibrillation according to weekly alcohol intake.

Men ( <i>n</i> =1,999)	Alcohol intake, drinks* per week				
	Abstainers	<14	14 to 20	21 to 27	>27
Thromboembolism†	9.5	5.3	4.9	5.5	7.3
or death	(5.9-15.2)	(4.7-6.0)	(3.8-6.4)	(4.2-7.1)	(6.2-8.6)
Thromboembolism	2.2	1.6	1.1	1.7	1.7
	(0.8-5.9)	(1.3-2.1)	(0.6-1.9)	(1.1-2.7)	(1.2-2.3)
Death	6.8	3.9	4.1	4.1	6.1
	(3.9-11.7)	(3.4-4.5)	(3.1-5.5)	(3.1-5.5)	(5.2-7.3)
Women ( <i>n</i> =1,108)	Abstainers	<7	7 to 13	14 to 20	>20
Thromboembolism	6.8	3.9	4.1	4.1	6.1
or death	(3.9-11.7)	(3.4-4.5)	(3.1-5.5)	(3.1-5.5)	(5.2-7.3)
Thromboembolism	1.0	1.3	1.4	1.0	2.0
	(0.3-4.1)	(0.9-1.8)	(0.8-2.3)	(0.4-2.4)	(1.0-3.8)
Death	3.6	3.4	3.2	4.0	3.3
	(1.7-7.5)	(2.8-4.2)	(2.3-4.5)	(2.6-6.2)	(2.0-5.3)

\* 1 drink corresponds to 12 grams of ethanol; † comprising ischemic stroke or arterial thromboembolism.

**Web-only table 3.** Hazard ratios (95% confidence interval) for thromboembolism and death according to weekly alcohol intake for the entire cohort.

	Alcohol intake, drinks* per week				
	Abstainers	< 7/14 (reference)	14 to 20/ 7 to 13	21 to 27/ 14 to 20	> 27/20
Subjects, <i>n</i>	88	1,626	470	344	579
<b>Thromboembolism or death</b>					
- VKA adjusted <sup>†</sup>	1.36 (0.91-2.02)	1	0.93 (0.75-1.17)	1.07 (0.84-1.35)	<b>1.30</b> <b>(1.08-1.56)</b>
- Multi adjusted <sup>‡</sup>	1.16 (0.78-1.73)	1	1.00 (0.81-1.26)	1.14 (0.90-1.45)	<b>1.31</b> <b>(1.09-1.58)</b>
- Frequency adjusted <sup>§</sup>	0.99 (0.65-1.50)	1	1.07 (0.83-1.38)	1.19 (0.91-1.57)	<b>1.35</b> <b>(1.07-1.72)</b>
<b>Thromboembolism</b>					
- VKA adjusted	1.05 (0.46-2.39)	1	0.81 (0.53-1.24)	0.96 (0.61-1.50)	1.08 (0.76-1.55)
- Multi adjusted	0.96 (0.42-2.19)	1	0.84 (0.55-1.30)	0.98 (0.63-1.54)	1.12 (0.78-1.61)
- Frequency adjusted	0.87 (0.37-2.06)	1	0.93 (0.57-1.51)	1.09 (0.65-1.83)	1.25 (0.79-1.98)
<b>Death</b>					
- VKA adjusted	1.32 (0.84-2.07)	1	0.99 (0.77-1.27)	1.09 (0.84-1.43)	<b>1.41</b> <b>(1.15-1.72)</b>
- Multi adjusted	1.11 (0.70-1.75)	1	1.08 (0.85-1.39)	1.15 (0.88-1.50)	<b>1.43</b> <b>(1.17-1.75)</b>
- Frequency adjusted	0.93 (0.58-1.50)	1	1.14 (0.86-1.51)	1.18 (0.87-1.60)	<b>1.44</b> <b>(1.12-1.87)</b>

**Thromboembolism:** includes ischemic stroke or peripheral arterial thromboembolism. Measures of association in **bold** indicates statistical significance.

\* One drink equates to 12 grams of pure alcohol; † Calculated using Cox's regression with time since atrial fibrillation diagnosis as underlying time variable and adjusted for VKA treatment; ‡ Further adjustment for CHA<sub>2</sub>DS<sub>2</sub>-VASc components; § Also adjusted for frequency of intake (not weekly, non-daily or daily).

**Web-only table 4.** Incidence rates and hazard ratios for thromboembolism or death among men with CHA<sub>2</sub>DS<sub>2</sub>-VASc=0 and women with CHA<sub>2</sub>DS<sub>2</sub>-VASc=1 according to alcohol intake

Men	Abstainers	Alcohol intake, drinks* per week			
		<14 (reference)	14 to 20	21 to 27	>27
Subjects, <i>n</i>	9	254	56	61	118
Incidence rates <sup>†</sup>	5.5 (1.8-17.2)	2.3 (1.7-3.1)	1.6 (0.7-3.6)	3.6 (2.1-5.9)	4.0 (2.8-5.7)
Multi adjusted <sup>‡</sup> hazard ratios	<b>4.14</b> <b>(1.26-13.65)</b>	1	0.72 (0.31-1.71)	1.54 (0.85-2.80)	<b>1.88</b> <b>(1.18-2.99)</b>

  

Women	Abstainers	Alcohol intake, drinks* per week			
		<7 (reference)	7 to 13	14 to 20	>20
Subjects, <i>n</i>	8	127	52	23	26
Incidence rates <sup>†</sup>	N/A	1.6 (1.0-2.6)	2.5 (1.3-4.8)	3.3 (1.4-8.0)	1.8 (0.6-5.6)
Multi adjusted <sup>‡</sup> hazard ratios	N/A	1	1.47 (0.64-3.37)	2.34 (0.85-1.34)	1.07 (0.31-3.70)

**Thromboembolism** includes ischemic stroke or peripheral arterial thromboembolism. Measures of association in **bold** indicates statistical significance.

\* One drink equates to 12 grams of pure alcohol; † Incidence rates per 100 person years; ‡

Calculated using Cox's regression with time since atrial fibrillation diagnosis as underlying time variable and adjusted for VKA treatment and age.

N/A: not applicable, as no events were observed in this subgroup.