

## **SUPPLEMENTAL MATERIAL**

**Table S1. Definition of covariates and outcomes**

Diagnosis	ICD-10-CM code and definition	Diagnostic definition
<b>Inclusion/exclusion criteria</b>		
<b>Atrial fibrillation</b>	I48.0-I48.4, I48.9	Admission or outpatient department≥1
<b>Valvular atrial fibrillation</b>	I05.0, I05.2, I05.9, Z95.2-Z95.4	Admission or outpatient department≥1
<b>Comorbidities</b>		
<b>Hypertension</b>	I10-I13, I15; and minimum 1 prescription of anti-hypertensive drug (thiazide, loop diuretics, aldosterone antagonist, alpha-/beta-blocker, calcium-channel blocker, angiotensin-converting enzyme inhibitor, angiotensin II receptor blocker). Or systolic/diastolic blood pressure ≥ 140/90 mmHg	Admission≥1 or outpatient department≥1 Index health examination
<b>Diabetes mellitus</b>	E11-E14; and minimum 1 prescription of anti-diabetic drugs (sulfonylureas, metformin, meglitinides, thiazolidinediones, dipeptidyl peptidase-4 inhibitors, α-glucosidase inhibitors, and insulin). Or fasting glucose level ≥ 126 mg/dL	Admission≥1 or outpatient department≥1 Index health examination
<b>Dyslipidemia</b>	E78 Or Total cholesterol ≥ 240 mg/dL	Admission or outpatient department≥1 Index health examination
<b>Heart failure</b>	I50	Admission or outpatient department≥1
<b>Prior stroke</b>	I63, I64	Admission or outpatient department≥1
<b>Vascular disease</b>		
<b>Prior myocardial infarction</b>	I21, I22	Admission or outpatient department≥1
<b>Peripheral artery disease</b>	I70, I73	Admission or outpatient department≥1
<b>Chronic kidney disease</b>	Estimated glomerular filtration rate <60 ml/min/1.73m <sup>2</sup>	Index health examination
<b>Chronic obstructive pulmonary disease</b>	J41-44	Admission or outpatient department≥1
<b>Cancer</b>	C00-97 and RID code (V193)	Admission or outpatient department≥1
<b>Scores</b>		

**CHA<sub>2</sub>DS<sub>2</sub>-VASc score**

Heart failure (1 point), hypertension (1 point), age  $\geq 75$  years (2 points), diabetes (1 point), previous stroke/systemic embolism/transient ischemic attack (2 points), vascular disease (prior MI or PAD, 1 point) and female sex (1 point)

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ICD, international classification of disease; CM, clinical modification.

**Table S2. Cox analyses: hazard ratios for all dementia, Alzheimer's dementia, and vascular dementia according to the combination of healthy lifestyle behavior**

Healthy lifestyle behavior score	Number	Event	IR (per 1,000 PY)	Unadjusted HR (95% CI)	Age- and sex-adjusted HR (95% CI)	Multivariable adjusted HR (95% CI)
<b>All dementia</b>						
<b>0</b>	8,709	327	9.99	1 (reference)	1 (reference)	1 (reference)
<b>1</b>	34,839	1,425	11.01	1.103 (0.978-1.244)	0.729 (0.646-0.822)	0.753 (0.667-0.849)
<b>2</b>	106,796	7,625	19.80	1.988 (1.779-2.220)	0.728 (0.650-0.816)	0.728 (0.650-0.815)
<b>3</b>	49,608	2,444	13.52	1.356 (1.208-1.522)	0.611 (0.543-0.687)	0.622 (0.553-0.699)
<b>p-value</b>				<0.001	<0.001	<0.001
<b>Alzheimer's dementia</b>						
<b>0</b>	8,709	207	6.33	1 (reference)	1 (reference)	1 (reference)
<b>1</b>	34,839	1,020	7.88	1.247 (1.074-1.448)	0.802 (0.69-0.931)	0.83 (0.714-0.964)
<b>2</b>	106,796	5,687	14.77	2.344 (2.041-2.693)	0.804 (0.698-0.926)	0.808 (0.701-0.931)
<b>3</b>	49,608	1,767	9.77	1.550 (1.342-1.709)	0.665 (0.574-0.769)	0.681 (0.588-0.788)
<b>p-value</b>				<0.001	<0.001	<0.001
<b>Vascular dementia</b>						
<b>0</b>	8,709	88	2.69	1 (reference)	1 (reference)	1 (reference)
<b>1</b>	34,839	238	1.84	0.685 (0.536-0.874)	0.499 (0.391-0.638)	0.510 (0.399-0.651)
<b>2</b>	106,796	1,105	2.87	1.069 (0.861-1.328)	0.497 (0.396-0.622)	0.480 (0.383-0.601)
<b>3</b>	49,608	410	2.27	0.845 (0.671-1.063)	0.454 (0.359-0.575)	0.446 (0.352-0.565)
<b>p-value</b>				<0.001	<0.001	<0.001

Multivariable adjusted model included age, sex, hypertension, diabetes mellitus, dyslipidemia, heart failure, prior ischemic stroke, prior myocardial infarction, peripheral artery disease, chronic obstructive pulmonary disease, cancer, chronic kidney disease, CHA<sub>2</sub>DS<sub>2</sub>-VASc score, use of oral anticoagulant, antiplatelet agent, and statin, BMI, and low income.

CI, confidence interval; HR, hazard ratio; IR, incidence rate; PY, person-years.

**Table S3. Sensitivity analyses: the association between HLS score and the risk of dementia according to smoking status (non-current smokers and current smokers)**

Outcome	HLS	Number	Events	IR	Adjusted HR (95% CI)	p-value
<b>Excluding current smokers</b>						
<b>Dementia</b>	0	18,811	847	12.27	1 (reference)	<0.001
	1	102,509	7,475	20.25	1.030 (0.957-1.109)	
	2	49,608	2,444	13.52	0.880 (0.812-0.953)	
<b>Among current smokers</b>						
<b>Dementia</b>	0	8,709	3,27	9.99	1 (reference)	0.007
	1	16,028	5,78	9.58	0.826 (0.719-0.947)	
	2	4,287	1,50	9.35	0.769 (0.633-0.935)	

IR, per 1,000 person-years

CI, confidence interval; HLS, healthy lifestyle behavior score; HR, hazard ratio; IR, incidence rate.

**Table S4. Rhythm control treatment in different HLS score groups**

	Total (n=199,952)	HLS 0 (n=8709)	HLS 1 (n=34839)	HLS 2 (n=106796)	HLS 3 (n=49608)	p-value
<b>Rhythm control</b>	50,293 (25.1%)	1,916 (22%)	8,251 (23.7%)	26,421 (24.7%)	13,705 (27.6%)	<0.001
<b>AAD</b>	49,473 (24.7%)	1,866 (21.4%)	8,073 (23.2%)	26,028 (24.4%)	13,506 (27.2%)	<0.001
<b>DCC</b>	6,067 (3.0%)	267 (3.1%)	1,073 (3.1%)	3,011 (2.8%)	1,716 (3.5%)	<0.001
<b>RFCA</b>	1,917 (1.0%)	44 (0.5%)	256 (0.7%)	925 (0.9%)	692 (1.4%)	<0.001

AAD, antiarrhythmic drug; DCC, direct current cardioversion; HLS, healthy lifestyle score; RFCA, radiofrequency catheter ablation.

**Table S5. Sensitivity analysis: additionally adjusted rhythm control treatment**

	Final model HR (95% CI)	Additionally adjusted rhythm control treatment HR (95% CI)
<b>Dementia</b>		
<b>HLS 0</b>	1 (reference)	1 (reference)
<b>HLS 1</b>	0.753 (0.667-0.849)	0.756 (0.67-0.853)
<b>HLS 2</b>	0.728 (0.65-0.815)	0.733 (0.655-0.822)
<b>HLS 3</b>	0.622 (0.553-0.699)	0.629 (0.559-0.707)
<b>p-value</b>	<0.001	<0.001
<b>Alzheimer's dementia</b>		
<b>HLS 0</b>	1 (reference)	1 (reference)
<b>HLS 1</b>	0.830 (0.714-0.964)	0.832 (0.716-0.967)
<b>HLS 2</b>	0.808 (0.701-0.931)	0.813 (0.705-0.937)
<b>HLS 3</b>	0.681 (0.588-0.788)	0.686 (0.593-0.795)
<b>p-value</b>	<0.001	<0.001
<b>Vascular dementia</b>		
<b>HLS 0</b>	1 (reference)	1 (reference)
<b>HLS 1</b>	0.510 (0.399-0.651)	0.512 (0.401-0.655)
<b>HLS 2</b>	0.480 (0.383-0.601)	0.485 (0.387-0.608)
<b>HLS 3</b>	0.446 (0.352-0.565)	0.453 (0.358-0.575)
<b>p-value</b>	<0.001	<0.001

CI, confidence interval; HLS, healthy lifestyle behavior score; HR, hazard ratio.

**Table S6. Subgroup analyses for Alzheimer's dementia**

Subgroup	HLS	Number	Events	IR	Adjusted HR (95% CI)	p-value	p-for- interaction
<b>Age (years)</b>							
<65	0	6,515	48	1.91	1 (reference)		
	1	22,040	128	1.50	0.697 (0.500-0.972)	<0.001	
	2	48,275	400	2.10	0.675 (0.495-0.920)		
	3	24,539	162	1.68	0.519 (0.371-0.726)		
65 to <75	0	1,658	91	15.07	1 (reference)		
	1	8,860	428	13.32	0.835 (0.666-1.048)	<0.001	0.751
	2	34,956	2,051	16.08	0.799 (0.645-0.990)		
	3	17,180	765	12.38	0.660 (0.529-0.824)		
≥75	0	536	68	43.42	1 (reference)		
	1	3,939	464	39.59	0.874 (0.677-1.128)	<0.001	
	2	23,565	3,236	48.40	0.867 (0.680-1.106)		
	3	7,889	840	37.06	0.732 (0.570-0.939)		
<b>Sex</b>							
Men	0	8,249	191	6.14	1 (reference)		
	1	29,994	830	7.46	0.835 (0.713-0.977)	<0.001	
	2	57,185	2,149	10.52	0.826 (0.711-0.959)		
	3	24,989	736	8.32	0.695 (0.592-0.816)		0.380
Women	0	460	16	10.01	1 (reference)		
	1	4,845	190	10.51	0.656 (0.393-1.093)	<0.001	
	2	49,611	3,538	19.56	0.598 (0.366-0.978)		
	3	24,619	1,031	11.16	0.501 (0.305-0.821)		
<b>CHA<sub>2</sub>DS<sub>2</sub>-VASc score</b>							
Men<2 and women <3	0	3,268	15	1.12	1 (reference)		
	1	11,581	38	0.80	0.558 (0.306-1.016)	0.093	0.484
	2	24,679	145	1.42	0.676 (0.390-1.172)		
	3	12,749	62	1.18	0.525 (0.292-0.944)		

	<b>0</b>	5,441	192	9.94	1 (reference)	
<b>Men≥2 and women ≥3</b>	<b>1</b>	23,258	982	12.00	0.850 (0.728-0.992)	<0.001
	<b>2</b>	82,117	5,542	19.60	0.821 (0.708-0.951)	
	<b>3</b>	36,859	1,705	13.27	0.689 (0.592-0.802)	
<b>Prior ischemic stroke</b>						
	<b>No</b>	<b>0</b>	7,361	129	4.60	1 (reference)
		<b>1</b>	28,359	626	5.82	0.792 (0.654-0.957)
		<b>2</b>	79,163	3,122	10.60	0.727 (0.606-0.871)
		<b>3</b>	37,320	992	7.12	0.617 (0.511-0.744)
	<b>Yes</b>	<b>0</b>	1,348	78	16.7	1 (reference)
		<b>1</b>	6,480	394	17.96	0.860 (0.674-1.097)
		<b>2</b>	27,633	2,565	28.3	0.908 (0.722-1.142)
		<b>3</b>	12,288	775	18.64	0.751 (0.593-0.951)
<b>OAC</b>						
	<b>No</b>	<b>0</b>	6,932	166	6.16	1 (reference)
		<b>1</b>	26,877	775	7.43	0.810 (0.685-0.959)
		<b>2</b>	77,822	4,155	13.96	0.772 (0.659-0.906)
		<b>3</b>	35,812	1,279	9.24	0.654 (0.555-0.772)
	<b>Yes</b>	<b>0</b>	1,777	41	7.10	1 (reference)
		<b>1</b>	7,962	245	9.74	0.919 (0.660-1.280)
		<b>2</b>	28,974	1,532	17.52	0.953 (0.696-1.306)
		<b>3</b>	13,796	488	11.49	0.791 (0.573-1.092)

IR, per 1,000 person-years.

Adjusted for age, sex, hypertension, diabetes mellitus, dyslipidemia, heart failure, prior ischemic stroke, prior myocardial infarction, peripheral artery disease, chronic obstructive pulmonary disease, cancer, chronic kidney disease, CHA<sub>2</sub>DS<sub>2</sub>-VASc score, use of oral anticoagulant, antiplatelet agent, and statin, BMI, and low income.

CI, confidence interval; HLS, healthy lifestyle behavior score; HR, hazard ratio; IR, incidence rate; OAC, oral anticoagulant.

**Table S7. Subgroup analyses for Vascular dementia**

Subgroup	HLS	Number	Events	IR	Adjusted HR (95% CI)	p-value	p-for- interaction
<b>Age (years)</b>							
<65	0	6,515	35	1.39	1 (reference)		
	1	22,040	68	0.79	0.526 (0.350-0.792)	<0.001	
	2	48,275	152	0.80	0.431 (0.294-0.631)		
	3	24,539	65	0.67	0.354 (0.231-0.544)		
65 to <75	0	1,658	34	5.63	1 (reference)		
	1	8,860	104	3.24	0.552 (0.374-0.813)	0.002	0.528
	2	34,956	458	3.59	0.517 (0.361-0.740)		
	3	17,180	202	3.27	0.496 (0.342-0.721)		
≥75	0	536	19	12.13	1 (reference)		
	1	3,939	66	5.63	0.464 (0.278-0.773)	0.015	
	2	23,565	495	7.40	0.494 (0.309-0.790)		
	3	7,889	143	6.31	0.456 (0.281-0.742)		
<b>Sex</b>							
Men	0	8,249	83	2.67	1 (reference)		
	1	29,994	197	1.77	0.508 (0.392-0.657)	<0.001	
	2	57,185	469	2.30	0.491 (0.387-0.623)		
	3	24,989	194	2.19	0.474 (0.365-0.615)		0.665
Women	0	460	5	3.13	1 (reference)		
	1	4,845	41	2.27	0.473 (0.187-1.198)	0.046	
	2	49,611	636	3.52	0.384 (0.159-0.929)		
	3	24,619	216	2.34	0.351 (0.144-0.854)		
<b>CHA<sub>2</sub>DS<sub>2</sub>-VASc score</b>							
Men<2 and women <3	0	3,268	11	0.82	1 (reference)		
	1	11,581	21	0.44	0.479 (0.230-0.995)	0.063	0.722
	2	24,679	54	0.53	0.474 (0.242-0.931)		
	3	12,749	21	0.40	0.352 (0.164-0.756)		

	<b>0</b>	5,441	77	3.99	1 (reference)	
<b>Men≥2 and women ≥3</b>	<b>1</b>	23,258	217	2.65	0.519 (0.400-0.673)	<0.001
	<b>2</b>	82,117	1,051	3.72	0.487 (0.383-0.619)	
	<b>3</b>	36,859	389	3.03	0.457 (0.356-0.588)	
<b>Prior ischemic stroke</b>						
	<b>No</b>	7,361	47	1.68	1 (reference)	
	<b>1</b>	28,359	123	1.14	0.495 (0.353-0.694)	<0.001
	<b>2</b>	79,163	532	1.81	0.475 (0.348-0.649)	
	<b>3</b>	37,320	194	1.39	0.425 (0.305-0.591)	
	<b>Yes</b>	1,348	41	8.78	1 (reference)	0.340
	<b>1</b>	6,480	115	5.24	0.519 (0.363-0.742)	<0.001
	<b>2</b>	27,633	573	6.32	0.476 (0.343-0.661)	
	<b>3</b>	12,288	216	5.2	0.453 (0.322-0.638)	
<b>OAC</b>						
	<b>No</b>	6,932	70	2.60	1 (reference)	
	<b>1</b>	26,877	174	1.67	0.480 (0.363-0.634)	<0.001
	<b>2</b>	77,822	749	2.52	0.422 (0.327-0.546)	
	<b>3</b>	35,812	274	1.98	0.398 (0.303-0.522)	
	<b>Yes</b>	1,777	18	3.12	1 (reference)	0.460
	<b>1</b>	7,962	64	2.54	0.637 (0.377-1.076)	0.263
	<b>2</b>	28,974	356	4.07	0.691 (0.426-1.122)	
	<b>3</b>	13,796	136	3.20	0.625 (0.379-1.029)	

IR, per 1,000 person-years.

Adjusted for age, sex, hypertension, diabetes mellitus, dyslipidemia, heart failure, prior ischemic stroke, prior myocardial infarction, peripheral artery disease, chronic obstructive pulmonary disease, cancer, chronic kidney disease, CHA<sub>2</sub>DS<sub>2</sub>-VASc score, use of oral anticoagulant, antiplatelet agent, and statin, BMI, and low income.

CI, confidence interval; HLS, healthy lifestyle behavior score; HR, hazard ratio; IR, incidence rate; OAC, oral anticoagulant.

**Table S8. Exploratory analyses: the risk of dementia between HLS 1 and HLS 2 or 3**

Outcomes	HLS	Number	Events	IR	Adjusted HR (95% CI)	p-value
<b>All dementia</b>	1	34,839	1,425	11.01	1 (reference)	0.010
	2,3	156,404	10,069	17.79	0.926 (0.874-0.982)	

IR, per 1,000 person-years

CI, confidence interval; HLS, healthy lifestyle behavior score; HR, hazard ratio; IR, incidence rate.

**Table S9. Exploratory analyses: the risk of dementia between HLS 1, 2 and 3**

Outcomes	HLS	Number	Events	IR	Adjusted HR (95% CI)	p-value	p-for-trend
<b>All dementia</b>	1	34,839	1,425	11.01	1 (reference)	<0.001	<0.001
	2	106,796	7,625	19.80	0.968 (0.912-1.027)		
	3	49,608	2,444	13.52	0.826 (0.773-0.884)		

IR, per 1,000 person-years

CI, confidence interval; HLS, healthy lifestyle behavior score; HR, hazard ratio; IR, incidence rate.

**Table S10. The association between exercise amount/intensity and the risk of dementia**

Exercise intensity/dose	Number	Events	IR	Adjusted HR (95% CI)
<b>[MPA or VPA per 3-7 d/week]</b>				
<b>Non-exerciser</b>	147,417	9,845	18.42	1 (reference)
<b>MPA, 3-7 d/week</b>	19,039	796	11.54	0.810 (0.754-0.871)
<b>VPA, 3-7 d/week</b>	33,496	1,180	9.47	0.781 (0.735-0.831)
<b>p-value</b>				<0.001
<b>[MPA or VPA per 5-7 d/week]</b>				
<b>Non-exerciser</b>	175,382	10,780	16.90	1 (reference)
<b>Moderate intensity exercise, 5-7 d/week</b>	9,688	443	12.69	0.848 (0.771-0.933)
<b>Vigorous intensity exercise, 5-7 d/week</b>	14,882	598	10.80	0.796 (0.733-0.865)
<b>p-value</b>				<0.001
<b>[Exercise doses stratified by the frequency of MVPA]</b>				
<b>Non-exerciser</b>	108,380	8,416	21.65	1 (reference)
<b>MVPA 1-2/week</b>	39,037	1,429	9.80	0.832 (0.786-0.880)
<b>MVPA 3-4/week</b>	27,965	935	9.05	0.763 (0.713-0.818)
<b>MVPA 5-6/week</b>	14,764	533	9.86	0.754 (0.691-0.824)
<b>MVPA ≥7/week</b>	9,806	508	14.04	0.785 (0.717-0.859)
<b>p-value</b>				<0.001
<b>[Exercise doses stratified by MET-min/week]</b>				
<b>Non-exerciser</b>	53,173	4,643	24.05	1 (reference)
<b>0 to &lt;500 MET-min/week</b>	55,144	3,055	15.13	0.869 (0.830-0.910)

<b>500-999 MET-min/week</b>	55,494	2,784	13.85	0.840 (0.801-0.881)
<b>1000-1499 MET-min/week</b>	22,651	819	9.91	0.739 (0.686-0.797)
<b>≥1500 MET-min/week</b>	13,490	520	10.55	0.720 (0.656-0.789)
<b>p-value</b>				<0.001

IR, per 1,000 person-years

CI, confidence interval; d, day; HR, hazard ratio; IR, incidence rate; MPA, moderate-intensity physical activity; MVPA, moderate to vigorous physical activity; MET, metabolic equivalent task; VPA, vigorous-intensity physical activity.

**Table S11. Univariable and multivariable HRs for the risk of dementia**

Variable	Unadjusted HR (95% CI)	p-value	Adjusted HR (95% CI)	p-value
<b>Age (years)</b>	1.128 (1.125-1.130)	<0.001	1.106 (1.103-1.110)	<0.001
<b>Male</b>	1.714 (1.654-1.778)	<0.001	1.199 (1.132-1.269)	<0.001
<b>BMI (kg/m<sup>2</sup>)</b>	0.928 (0.923-0.934)	<0.001	0.968 (0.963-0.974)	<0.001
<b>CHA<sub>2</sub>DS<sub>2</sub>-VASc</b>	1.621 (1.606-1.635)	<0.001	1.077 (1.041-1.114)	<0.001
<b>SBP (mmHg)</b>		<0.001		0.671
<b>&lt;120</b>	1 (reference)		1 (reference)	
<b>120 to &lt;130</b>	1.102 (1.047-1.161)		0.974 (0.925-1.026)	
<b>130 to &lt;140</b>	1.256 (1.195-1.319)		0.975 (0.927-1.025)	
<b>≥140</b>	1.605 (1.526-1.689)		0.973 (0.923-1.025)	
<b>Diabetes</b>	1.545 (1.485-1.607)	<0.001	1.152 (1.093-1.215)	<0.001
<b>Dyslipidemia</b>	1.204 (1.161-1.248)	<0.001	0.982 (0.942-1.024)	0.399
<b>Heart failure</b>	2.027 (1.954-2.103)	<0.001	1.061 (1.007-1.117)	0.026
<b>Prior MI</b>	1.479 (1.406-1.556)	<0.001	1.034 (0.977-1.094)	0.243
<b>Prior stroke</b>	2.998 (2.892-3.109)	<0.001	1.509 (1.401-1.627)	<0.001
<b>PAD</b>	1.703 (1.637-1.771)	<0.001	1.064 (1.012-1.119)	0.015
<b>COPD</b>	1.767 (1.699-1.839)	<0.001	1.113 (1.069-1.159)	<0.001
<b>Cancer</b>	0.932 (0.860-1.011)	0.091	0.918 (0.846-0.997)	0.041
<b>CKD</b>	2.470 (2.376-2.568)	<0.001	1.140 (1.095-1.186)	<0.001
<b>Low income</b>	1.088 (1.038-1.139)	0.004	1.135 (1.084-1.190)	<0.001
<b>OAC</b>	1.339 (1.286-1.395)	<0.001	1.029 (0.987-1.074)	0.181
<b>Antiplatelet</b>	1.353 (1.303-1.406)	<0.001	1.028 (0.987-1.072)	0.183
<b>Statin</b>	1.240 (1.185-1.298)	<0.001	0.973 (0.921-1.027)	0.313
<b>Smoking</b>		<0.001		<0.001
<b>non</b>	1 (reference)		1 (reference)	
<b>ex-smoker</b>	0.603 (0.575-0.632)		0.969 (0.916-1.024)	
<b>current smoker</b>	0.489 (0.459-0.521)		1.237 (1.153-1.329)	
<b>Alcohol</b>		<0.001		<0.001
<b>non</b>	1 (reference)		1 (reference)	

<b>mild</b>	0.396 (0.378-0.416)	0.876 (0.830-0.925)
<b>moderate</b>	0.566 (0.393-0.815)	1.196 (0.829-1.724)
<b>heavy</b>	0.745 (0.240-2.309)	1.760 (0.567-5.462)
<b>Exercise</b>		<0.001
<b>non</b>	1 (reference)	1 (reference)
<b>regular PA</b>	0.573 (0.543-0.604)	0.805 (0.763-0.849)

BMI, body mass index; CI, confidence interval; CKD, chronic kidney disease; COPD, chronic obstructive pulmonary disease; HR, hazard ratio; MI, myocardial infarction; OAC, oral anticoagulant; PA, physical activity; PAD, peripheral artery disease; SBP, systolic blood pressure.

**Table S12. Baseline characteristics of patients with and without the national health examinations within 2-year**

	Total (n=576,077)	Patients receiving health examinations within 2-year after AF diagnosis (n=209,880)	Patients not receiving health examinations within 2-year after AF diagnosis (n=366,197)	p-value
<b>Age, years</b>	66.82±15.6	63.73±12.7	68.6±16.7	<0.001
<b>Male</b>	309,043 (53.7)	124,614 (59.4)	184,429 (50.4)	<0.001
<b>Low income</b>	131,093 (22.8)	37,359 (17.8)	93,734 (25.6)	<0.001
<b>Heart failure</b>	171,455 (29.8)	51,053 (24.3)	120,402 (32.9)	<0.001
<b>Prior stroke</b>	124,644 (21.6)	31,039 (14.8)	93,605 (25.6)	<0.001
<b>Prior MI</b>	43,699 (7.6)	11,622 (5.5)	32,077 (8.8)	<0.001
<b>PAD</b>	121,433 (21.1)	45,694 (21.8)	75,739 (20.7)	<0.001
<b>COPD</b>	146,235 (25.4)	42,303 (20.2)	103,932 (28.4)	<0.001
<b>Cancer</b>	59,348 (10.3)	12,035 (5.7)	47,313 (12.9)	<0.001

COPD, chronic obstructive pulmonary disease; MI, myocardial infarction; PAD, peripheral artery disease.