

SUPPLEMENTAL MATERIAL

Table S1. Demographics, occupational characteristics, and risk factors of firefighters.

		*Prevalence (%)
Demographic Characteristics		
Sex	Male	10146/10850 (93.5)
	Female	704/10850 (6.5)
Age	≥ 61 Years	486/10860 (4.5)
	≤ 60 Years	10374/10860 (95.5)
Race	[†] White	10014/10859 (92.2)
	[‡] Black	269/10859 (2.5)
	[§] Asian	576/10859 (5.3)
Ethnicity	Hispanic	694/10858 (6.4)
Occupational Characteristics		
History of Military Service		1668/10859 (15.4)
Level of Service	Federal	133/10860 (1.2)
	State	357/10860 (3.3)
	County	1972/10860 (18.2)
	Local	8398/10860 (77.3)
Fires Fought/Year	0-5	1934/10860 (17.8)
	6-10	3365/10860 (31)
	11-20	2914/10860 (26.8)
	21-30	1196/10860 (11)
	31 or more	1451/10860 (13.4)
Type of Firefighter	Career	9666/10860 (89)
	Volunteer	787/10860 (7.2)
	Paid-on-call/per-call	301/10860 (2.8)
	Other	106/10860 (1)
Occupational Medical Evaluation		8170/10860 (75.2)
Risk Factors		
Atrial Fibrillation		298/10792 (2.7)
Cancer		891/10788 (8.3)

Carotid Artery Disease	35/10848 (0.3)
Chronic Obstructive Pulmonary Disease	94/10840 (0.9)
Congestive Heart Failure	50/10851 (0.5)
Coronary Artery Disease	456/10819 (4.2)
Diabetes Mellitus	470/10837 (4.3)
Hypertension	2551/10796 (23.6)
Myocardial Infarction	189/10844 (1.7)
Obstructive Sleep Apnea	1660/10684 (15.5)
Open Heart Surgery	102/10858 (0.9)
Peripheral Artery Disease	58/10834 (0.5)
Stroke/Transient Ischemic Attack	83/10848 (0.8)
Valvular Disease	288/10803 (2.7)

*Denominator (sample number) varies due to exclusion of respondents answering "not sure" or electing to not answer

†Race includes White/Caucasian/American Indian/Alaskan Native

‡Race includes Black/African American

§Race includes Asian/Native Hawaiian/Pacific Islander/Other

Table S2. Prevalence of atrial fibrillation in firefighters based on characteristics (n = 10860).

		*Prevalence of AF (%)	†p-value
Demographic Characteristics			
Sex	Male	292/10146 (2.9)	0.005
	Female	6/704 (0.9)	
Age	≥ 61 Years	40/486 (8.2)	<0.001
	≤ 60 Years	258/10374 (2.5)	
Race	[‡] White	284/10014 (2.8)	0.103
	[§] Black	6/269 (2.2)	
	^l Asian	8/576 (1.4)	
Ethnicity	Hispanic	12/694 (1.7)	0.0931
	Non-Hispanic	286/10164 (2.8)	
Occupational Characteristics			
History of Military Service	Present	47/1668 (2.8)	0.8073
	Absent	251/9191 (2.7)	
Level of Service	Federal	6/133 (4.5)	0.574
	State	8/357 (2.2)	
	County	52/1972 (2.6)	
	Local	232/8398 (2.8)	
Fires Fought/Year	0-5	39/1934 (2)	<0.001
	6-10	77/3365 (2.3)	
	11-20	80/2914 (2.7)	
	21-30	36/1196 (3)	
	31 or more	66/1451 (4.5)	
Type of Firefighter	Career	253/9666 (2.6)	0.106
	Volunteer	32/787 (4.1)	
	Paid-on-call/per-call	10/301 (3.3)	
	Other	3/106 (2.8)	
Occupational Medical Evaluation	Present	221/8170 (2.7)	0.683
	Absent	77/2690 (2.9)	
Social Characteristics			

History of Alcohol Use	Present	209/8622 (2.4)	<0.001
	Absent	89/2238 (4)	
History of Smoking	Present, current	7/200 (3.5)	0.759
	Absent, quit	58/2042 (2.8)	
	Absent, never	233/8618 (2.7)	
Secondhand Smoke Exposure	Present	144/4105 (3.5)	<0.001
	Absent	154/6755 (2.3)	
History of Hospital Admission	Present	248/5368 (4.6)	<0.001
	Absent	50/5492 (0.9)	

*Denominator (sample number) varies due to exclusion of respondents answering "not sure" or electing to not answer

†Chi-squared test, $p < 0.05$ is considered significant

‡Race includes White/Caucasian/American Indian/Alaskan Native

§Race includes Black/African American

¶Race includes Asian/Native Hawaiian/Pacific Islander/Other