

Observational results: atrial fibrillation

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure
2	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	1089/4337 (25.1)	12y	ALA	Intake
3	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	1089/4337 (25.1)	12y	ALA	Intake
4	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	1089/4337 (25.1)	12y	ALA	Intake
5	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	1089/4337 (25.1)	12y	ALA	Intake
6	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	707/2899 (23.2)	16y	ALA	Plasma
7	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	707/2899 (23.2)	16y	ALA	Plasma
8	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	707/2899 (23.2)	16y	ALA	Plasma
9	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	707/2899 (23.2)	16y	ALA	Plasma
10	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	All n-3	Plasma
11	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	All n-3	Plasma
12	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	All n-3	Plasma
13	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	All n-3	Plasma
14	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DHA	Plasma
15	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DHA	Plasma
16	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DHA	Plasma
17	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DHA	Plasma
18	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DPA	Plasma
19	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DPA	Plasma
20	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DPA	Plasma
21	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	DPA	Plasma
22	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	EPA	Plasma
23	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	EPA	Plasma
24	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	EPA	Plasma
25	Wu 2012 22282329	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	none	789/3326 (24)	14y	EPA	Plasma
26	Berry 2010 20211329	Women's Health Initiative	AFib	atrial fibrillation	Healthy	Women 50-79, Healthy	Women	378/44720 (0.85)	10 y	EPA+DHA	Intake
27	Berry 2010 20211329	Women's Health Initiative	AFib	atrial fibrillation	Healthy	Women 50-79, Healthy	Women	378/44720 (0.85)	10 y	EPA+DHA	Intake

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Row	Study PMID	Supplement	Adjustments	Quantile	n3 units	Quantile low	Quantile median
2	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr1	% fat intake	0.80	1.50
3	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr2	% fat intake	1.80	1.90
4	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr3	% fat intake	2.10	2.20
5	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr4	% fat intake	2.50	2.80
6	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr1	% FA	0.05	0.10
7	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr2	% FA	0.11	0.13
8	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr3	% FA	0.14	0.16
9	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr4	% FA	0.18	0.21
10	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr1	% FA	nd	NR
11	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr2	% FA	nd	NR
12	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr3	% FA	nd	NR
13	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr4	% FA	nd	NR
14	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr1	% FA	0.78	1.98 (mean)
15	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr2	% FA	2.36	2.61 (mean)
16	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr3	% FA	2.89	3.19 (mean)
17	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr4	% FA	3.55	4.37 (mean)
18	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr1	% FA	0.11	0.63 (mean)
19	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr2	% FA	0.73	0.77 (mean)
20	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr3	% FA	0.83	0.87 (mean)
21	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr4	% FA	0.94	1.05 (mean)
22	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr1	% FA	0.11	0.3 (mean)
23	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr2	% FA	0.40	0.45 (mean)
24	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr3	% FA	0.52	0.58 (mean)
25	Wu 2012 22282329	no	age, gender, race, education, enrollment site, BMI, persistent treated HTN, prevalent diabetes, prevalent MI, prevalent valvular disease, smoking, leisure time activity, alcohol intake, saturated fat intake, fruit and vegetable intake, and total calories	Qr4	% FA	0.68	0.99 (mean)
26	Berry 2010 20211329	No	age, BMI, ethnicity, education, treated diabetes, SBP, treated hypertension, prior CVD, smoking, alcohol use, total energy intake, fruit/vegetables intakes, fiber intake	Qr1	g/d	0.00	nd
27	Berry 2010 20211329	No	age, BMI, ethnicity, education, treated diabetes, SBP, treated hypertension, prior CVD, smoking, alcohol use, total energy intake, fruit/vegetables intakes, fiber intake	Qr2	g/d	0.05	nd

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Row	Study PMID	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
2	Fretts 2013 23525429	1.70	HR	272	nd	11118	Reference group			P trend	0.48
3	Fretts 2013 23525429	2.00	HR	277	nd	13362	0.87	0.74	1.04		
4	Fretts 2013 23525429	2.40	HR	271	nd	13683	0.90	0.75	1.07		
5	Fretts 2013 23525429	4.80	HR	269	nd	11900	1.06	0.89	1.27		
6	Fretts 2013 23525429	0.11	HR	178	nd	7616	Reference group			P trend	0.48
7	Fretts 2013 23525429	0.14	HR	182	nd	7156	1.11	0.90	1.37		
8	Fretts 2013 23525429	0.18	HR	177	nd	7170	1.09	0.88	1.35		
9	Fretts 2013 23525429	0.47	HR	170	nd	7921	0.92	0.74	1.15		
10	Wu 2012 22282329	nd	RR	220	nd	7510	Reference group			P trend	0.00
11	Wu 2012 22282329	nd	RR	210	nd	7788	0.93	0.77	1.12		
12	Wu 2012 22282329	nd	RR	204	nd	7676	0.97	0.80	1.18		
13	Wu 2012 22282329	nd	RR	155	nd	8159	0.71	0.57	0.89		
14	Wu 2012 22282329	2.35	RR	214	834	7771	Reference group			P trend	0.01
15	Wu 2012 22282329	2.88	RR	219	829	7476	1.08	0.89	1.30		
16	Wu 2012 22282329	3.54	RR	201	832	7852	0.98	0.80	1.19		
17	Wu 2012 22282329	8.17	RR	155	831	8070	0.77	0.62	0.96		
18	Wu 2012 22282329	0.72	RR	204	832	7616	Reference group			P trend	0.24
19	Wu 2012 22282329	0.82	RR	200	831	7828	0.97	0.79	1.18		
20	Wu 2012 22282329	0.93	RR	212	843	7842	1.06	0.87	1.29		
21	Wu 2012 22282329	1.63	RR	173	820	7882	0.86	0.70	1.06		
22	Wu 2012 22282329	0.39	RR	209	834	7227	Reference group			P trend	0.30
23	Wu 2012 22282329	0.51	RR	188	834	7778	0.88	0.72	1.07		
24	Wu 2012 22282329	0.67	RR	210	827	8004	1.01	0.83	1.23		
25	Wu 2012 22282329	8.52	RR	182	831	8160	0.86	0.69	1.06		
26	Berry 2010 20211329	<0.049	OR	nd	nd	nd	Reference group			P trend	0.58
27	Berry 2010 20211329	0.09	OR	nd	nd	nd	1.00	0.73	1.37		

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Row	Study PMID	Study Name	Outcome	Outcome Definition	Population type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure
28	Berry 2010 20211329	Women's Health Initiative	AFib	atrial fibrillation	Healthy	Women 50-79, Healthy	Women	378/44720 (0.85)	10 y	EPA+DHA	Intake
29	Berry 2010 20211329	Women's Health Initiative	AFib	atrial fibrillation	Healthy	Women 50-79, Healthy	Women	378/44720 (0.85)	10 y	EPA+DHA	Intake
30	Brouwer 2006 16569549	Rotterdam	AFib	Atrial fibrillation is the most common sustained cardiac arrhythmia	Healthy	ppl who had no AF at baseline	none	312/5184 (6.01)	6.4 y	EPA+DHA	Intake
31	Brouwer 2006 16569549	Rotterdam	AFib	Atrial fibrillation is the most common sustained cardiac arrhythmia	Healthy	ppl who had no AF at baseline	none	312/5184 (6.01)	6.4 y	EPA+DHA	Intake
32	Brouwer 2006 16569549	Rotterdam	AFib	Atrial fibrillation is the most common sustained cardiac arrhythmia	Healthy	ppl who had no AF at baseline	none	312/5184 (6.01)	6.4 y	EPA+DHA	Intake
33	Brouwer 2006 16569549	Rotterdam	AFib	Atrial fibrillation is the most common sustained cardiac arrhythmia	Healthy	Subjects without previous MI	none	241/4584 (5.25)	6.4 y	EPA+DHA	Intake
34	Brouwer 2006 16569549	Rotterdam	AFib	Atrial fibrillation is the most common sustained cardiac arrhythmia	Healthy	Subjects without previous MI	none	241/4584 (5.25)	6.4 y	EPA+DHA	Intake
35	Brouwer 2006 16569549	Rotterdam	AFib	Atrial fibrillation is the most common sustained cardiac arrhythmia	Healthy	Subjects without previous MI	none	241/4584 (5.25)	6.4 y	EPA+DHA	Intake
36	Frost 2005 15640459	Diet, Cancer, Health (Danish)	AFib	atrial fibrillation or flutter	Healthy	Healthy 50-64 yo	Women	556/47949 (1.7%, 29.1/10000 (men); 0.7%, 12.4/10000 (women))	8.1 yr	EPA+DHA+DPA	Intake
37	Frost 2005 15640459	Diet, Cancer, Health (Danish)	AFib	atrial fibrillation or flutter	Healthy	Healthy 50-64 yo	Women	556/47949 (1.7%, 29.1/10000 (men); 0.7%, 12.4/10000 (women))	8.1 yr	EPA+DHA+DPA	Intake
38	Frost 2005 15640459	Diet, Cancer, Health (Danish)	AFib	atrial fibrillation or flutter	Healthy	Healthy 50-64 yo	Women	556/47949 (1.7%, 29.1/10000 (men); 0.7%, 12.4/10000 (women))	8.1 yr	EPA+DHA+DPA	Intake
39	Frost 2005 15640459	Diet, Cancer, Health (Danish)	AFib	atrial fibrillation or flutter	Healthy	Healthy 50-64 yo	Women	556/47949 (1.7%, 29.1/10000 (men); 0.7%, 12.4/10000 (women))	8.1 yr	EPA+DHA+DPA	Intake
40	Frost 2005 15640459	Diet, Cancer, Health (Danish)	AFib	atrial fibrillation or flutter	Healthy	Healthy 50-64 yo	Women	556/47949 (1.7%, 29.1/10000 (men); 0.7%, 12.4/10000 (women))	8.1 yr	EPA+DHA+DPA	Intake
42	Subgroup analyses										
43	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	nd	12y	ALA	Intake
44	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	nd	12y	ALA	Intake
45	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	nd	12y	ALA	Intake
46	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	nd	12y	ALA	Intake
47	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	nd	12y	ALA	Intake
48	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	nd	12y	ALA	Intake
49	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	nd	12y	ALA	Intake
50	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	nd	12y	ALA	Intake

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Row	Study PMID	Supplement	Adjustments	Quantile	n3 units	Quantile low	Quantile median
28	Berry 2010 20211329	No	age, BMI, ethnicity, education, treated diabetes, SBP, treated hypertension, prior CVD, smoking, alcohol use, total energy intake, fruit/vegetables intakes, fiber intake	Qr3	g/d	0.09	nd
29	Berry 2010 20211329	No	age, BMI, ethnicity, education, treated diabetes, SBP, treated hypertension, prior CVD, smoking, alcohol use, total energy intake, fruit/vegetables intakes, fiber intake	Qr4	g/d	>0.157	nd
30	Brouwer 2006 16569549	Yes	age, sex, energy intake, diabetes mellitus, alcohol intake, systolic blood pressure, HDL and total cholesterol levels, intake of saturated fatty acids, smoking status, and previous myocardial infarction	Qr1	mg/d	nd	19.40
31	Brouwer 2006 16569549	Yes	age, sex, energy intake, diabetes mellitus, alcohol intake, systolic blood pressure, HDL and total cholesterol levels, intake of saturated fatty acids, smoking status, and previous myocardial infarction	Qr2	mg/d	43.20	87.80
32	Brouwer 2006 16569549	Yes	age, sex, energy intake, diabetes mellitus, alcohol intake, systolic blood pressure, HDL and total cholesterol levels, intake of saturated fatty acids, smoking status, and previous myocardial infarction	Qr3	mg/d	143.50	330.00
33	Brouwer 2006 16569549	Yes	age, sex, energy intake, diabetes mellitus, alcohol intake, systolic blood pressure, HDL and total cholesterol levels, intake of saturated fatty acids, smoking status, and previous myocardial infarction	Qr1	mg/d	nd	nd
34	Brouwer 2006 16569549	Yes	age, sex, energy intake, diabetes mellitus, alcohol intake, systolic blood pressure, HDL and total cholesterol levels, intake of saturated fatty acids, smoking status, and previous myocardial infarction	Qr2	mg/d	nd	nd
35	Brouwer 2006 16569549	Yes	age, sex, energy intake, diabetes mellitus, alcohol intake, systolic blood pressure, HDL and total cholesterol levels, intake of saturated fatty acids, smoking status, and previous myocardial infarction	Qr3	mg/d	nd	nd
36	Frost 2005 15640459	No	age, sex, height, BMI, smoking, consumption of alcohol, total energy intake, systolic blood pressure, treatment for hypertension, total serum cholestrol, and level of education	Qt1	g/d	nd	0.16 (SD=0.08)
37	Frost 2005 15640459	No	age, sex, height, BMI, smoking, consumption of alcohol, total energy intake, systolic blood pressure, treatment for hypertension, total serum cholestrol, and level of education	Qt2	g/d	nd	0.36 (SD=0.06)
38	Frost 2005 15640459	No	age, sex, height, BMI, smoking, consumption of alcohol, total energy intake, systolic blood pressure, treatment for hypertension, total serum cholestrol, and level of education	Qt3	g/d	nd	0.52 (SD=0.07)
39	Frost 2005 15640459	No	age, sex, height, BMI, smoking, consumption of alcohol, total energy intake, systolic blood pressure, treatment for hypertension, total serum cholestrol, and level of education	Qt4	g/d	nd	0.74 (SD=0.10)
40	Frost 2005 15640459	No	age, sex, height, BMI, smoking, consumption of alcohol, total energy intake, systolic blood pressure, treatment for hypertension, total serum cholestrol, and level of education	Qt5	g/d	nd	1.29 (SD=0.47)
42	Subgroup analyses						
43	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr1	% fat intake	0.80	1.50
44	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr2	% fat intake	1.80	1.90
45	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr3	% fat intake	2.10	2.20
46	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr4	% fat intake	2.50	2.80
47	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr1	% fat intake	0.80	1.50
48	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr2	% fat intake	1.80	1.90
49	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr3	% fat intake	2.10	2.20
50	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr4	% fat intake	2.50	2.80

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28	Berry 2010 20211329	0.16	OR	nd	nd	nd	1.07	0.78	1.47		
29	Berry 2010 20211329	nd	OR	nd	nd	nd	1.02	0.73	1.44		
30	Brouwer 2006 16569549	43.20	RR	96	1728	11202	Reference group				nd
31	Brouwer 2006 16569549	143.50	RR	111	1728	11108	1.22	0.92	1.61		
32	Brouwer 2006 16569549	nd	RR	105	1728	11013	1.18	0.88	1.57		
33	Brouwer 2006 16569549	nd	RR	76	nd	9835	Reference group				nd
34	Brouwer 2006 16569549	nd	RR	86	nd	9657	1.23	0.90	1.69		
35	Brouwer 2006 16569549	nd	RR	79	nd	9712	1.15	0.83	1.60		
36	Frost 2005 15640459	nd	HR	100	9589	nd	Reference group			P trend	0.01
37	Frost 2005 15640459	nd	HR	92	9590	nd	0.86	0.65	1.15		
38	Frost 2005 15640459	nd	HR	110	9591	nd	1.08	0.82	1.42		
39	Frost 2005 15640459	nd	HR	110	9590	nd	1.01	0.77	1.34		
40	Frost 2005 15640459	nd	HR	144	9589	nd	1.34	1.02	1.76		
42	Subgroup analyses										
43	Fretts 2013 23525429	1.70	HR	133	nd	5561	Reference group			P trend	0.90
44	Fretts 2013 23525429	2.00	HR	146	nd	8137	0.78	0.62	1.08		
45	Fretts 2013 23525429	2.40	HR	174	nd	9826	0.75	0.60	1.07		
46	Fretts 2013 23525429	4.80	HR	179	nd	8898	1.00	0.79	1.26		
47	Fretts 2013 23525429	1.70	HR	112	nd	5558	Reference group			P trend	0.59
48	Fretts 2013 23525429	2.00	HR	143	nd	5525	0.94	0.65	1.35		
49	Fretts 2013 23525429	2.40	HR	106	nd	3856	0.98	0.68	1.42		
50	Fretts 2013 23525429	4.80	HR	96	nd	3002	0.87	0.59	1.30		

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Row	Study PMID	Study Name	Outcome	Outcome Definition	Population type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure
51	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	412/1844 (22.3)	16y	ALA	Plasma
52	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	412/1844 (22.3)	16y	ALA	Plasma
53	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	412/1844 (22.3)	16y	ALA	Plasma
54	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	women	412/1844 (22.3)	16y	ALA	Plasma
55	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	295/1055 (28)	16y	ALA	Plasma
56	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	295/1055 (28)	16y	ALA	Plasma
57	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	295/1055 (28)	16y	ALA	Plasma
58	Fretts 2013 23525429	Cardiovascular Health Study	AFib	incident AF	Healthy	Healthy age >= 65y	men	295/1055 (28)	16y	ALA	Plasma

Observational results: atrial fibrillation

Row	Study PMID	Supplement	Adjustments	Quantile	n3 units	Quantile low	Quantile median
51	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr1	% FA	0.05	0.10
52	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr2	% FA	0.11	0.13
53	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr3	% FA	0.14	0.16
54	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr4	% FA	0.18	0.21
55	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr1	% FA	0.05	0.10
56	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr2	% FA	0.11	0.13
57	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr3	% FA	0.14	0.16
58	Fretts 2013 23525429	no	age and sex, enrollment site, race, education, smoking, diabetes, history of heart failure, history of stroke, physical activity, BMI, waist circumference, treated HTN, and alcohol consumption.	Qr4	% FA	0.18	0.21

Observational results: atrial fibrillation

Row	Study PMID	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
51	Fretts 2013 23525429	0.11	HR	100	nd	4972	Reference group			P trend	0.53
52	Fretts 2013 23525429	0.14	HR	110	nd	4886	1.08	0.82	1.43		
53	Fretts 2013 23525429	0.18	HR	99	nd	4992	0.95	0.71	1.27		
54	Fretts 2013 23525429	0.47	HR	103	nd	5180	0.95	0.71	1.26		
55	Fretts 2013 23525429	0.11	HR	82	nd	2800	Reference group			P trend	0.42
56	Fretts 2013 23525429	0.14	HR	76	nd	2232	1.10	0.80	1.51		
57	Fretts 2013 23525429	0.18	HR	70	nd	2261	1.07	0.77	1.48		
58	Fretts 2013 23525429	0.47	HR	67	nd	2540	0.81	0.58	1.31		