

Observational results: hemorrhagic stroke

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure
2	He 2002 12495393	Health Professional Follow-up Study	Stroke, hemorrhagic	criteria of the national survey of stroke	Healthy	Healthy 40-75 yo men diagnosis of myocardial infarction, angina, stroke, transient ischemic attack, or peripheral arterial disease, or had undergone coronary artery surgery.	Men	106/43671 (0.24)	12 y	EPA+DHA	Intake
3	He 2002 12495393	Health Professional Follow-up Study	Stroke, hemorrhagic	criteria of the national survey of stroke	Healthy	Healthy 40-75 yo men diagnosis of myocardial infarction, angina, stroke, transient ischemic attack, or peripheral arterial disease, or had undergone coronary artery surgery.	Men	106/43671 (0.24)	12 y	EPA+DHA	Intake
4	He 2002 12495393	Health Professional Follow-up Study	Stroke, hemorrhagic	criteria of the national survey of stroke	Healthy	Healthy 40-75 yo men diagnosis of myocardial infarction, angina, stroke, transient ischemic attack, or peripheral arterial disease, or had undergone coronary artery surgery.	Men	106/43671 (0.24)	12 y	EPA+DHA	Intake
5	He 2002 12495393	Health Professional Follow-up Study	Stroke, hemorrhagic	criteria of the national survey of stroke	Healthy	Healthy 40-75 yo men diagnosis of myocardial infarction, angina, stroke, transient ischemic attack, or peripheral arterial disease, or had undergone coronary artery surgery.	Men	106/43671 (0.24)	12 y	EPA+DHA	Intake
6	He 2002 12495393	Health Professional Follow-up Study	Stroke, hemorrhagic	criteria of the national survey of stroke	Healthy	Healthy 40-75 yo men diagnosis of myocardial infarction, angina, stroke, transient ischemic attack, or peripheral arterial disease, or had undergone coronary artery surgery.	Men	106/43671 (0.24)	12 y	EPA+DHA	Intake
7	Iso 2001 11176840	Nurses' Health Study	Stroke, hemorrhagic	nd	Healthy	Healthy 34-59 yo female nurses	Women	181/79839 (0.23)	14 y	EPA+DHA	Intake
8	Iso 2001 11176840	Nurses' Health Study	Stroke, hemorrhagic	nd	Healthy	Healthy 34-59 yo female nurses	Women	181/79839 (0.23)	14 y	EPA+DHA	Intake
9	Iso 2001 11176840	Nurses' Health Study	Stroke, hemorrhagic	nd	Healthy	Healthy 34-59 yo female nurses	Women	181/79839 (0.23)	14 y	EPA+DHA	Intake
10	Iso 2001 11176840	Nurses' Health Study	Stroke, hemorrhagic	nd	Healthy	Healthy 34-59 yo female nurses	Women	181/79839 (0.23)	14 y	EPA+DHA	Intake
11	Iso 2001 11176840	Nurses' Health Study	Stroke, hemorrhagic	nd	Healthy	Healthy 34-59 yo female nurses	Women	181/79839 (0.23)	14 y	EPA+DHA	Intake
12	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	All	233/34670 (0.67)	10.4 y	EPA+DHA	Intake
13	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	All	233/34670 (0.67)	10.4 y	EPA+DHA	Intake
14	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	All	233/34670 (0.67)	10.4 y	EPA+DHA	Intake
15	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	All	233/34670 (0.67)	10.4 y	EPA+DHA	Intake
16	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	All	233/34670 (0.67)	10.4 y	EPA+DHA	Intake
17	Fretts 2014 25159901	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	59/2709 (2.18)	16y	ALA	Plasma

Observational results: hemorrhagic stroke

Row	Study PMID	Supplement	Adjustments	Quantile	n3 units	Quantile low	Quantile median
2	He 2002 12495393	No	BMI, physical activity, hx hypertension, smoking status, aspirin use, fish oil, multivitamins, total calorie intake, total fat. Saturated fat, trans-unsaturated fat, alcohol, potassium, magnesium, total servings of fruits and vegetables, and hypercholesterolemia at baseline.	Qt1	g/d	0	nd
3	He 2002 12495393	No	BMI, physical activity, hx hypertension, smoking status, aspirin use, fish oil, multivitamins, total calorie intake, total fat. Saturated fat, trans-unsaturated fat, alcohol, potassium, magnesium, total servings of fruits and vegetables, and hypercholesterolemia at baseline.	Qt2	g/d	0.05	nd
4	He 2002 12495393	No	BMI, physical activity, hx hypertension, smoking status, aspirin use, fish oil, multivitamins, total calorie intake, total fat. Saturated fat, trans-unsaturated fat, alcohol, potassium, magnesium, total servings of fruits and vegetables, and hypercholesterolemia at baseline.	Qt3	g/d	0.2	nd
5	He 2002 12495393	No	BMI, physical activity, hx hypertension, smoking status, aspirin use, fish oil, multivitamins, total calorie intake, total fat. Saturated fat, trans-unsaturated fat, alcohol, potassium, magnesium, total servings of fruits and vegetables, and hypercholesterolemia at baseline.	Qt4	g/d	0.4	nd
6	He 2002 12495393	No	BMI, physical activity, hx hypertension, smoking status, aspirin use, fish oil, multivitamins, total calorie intake, total fat. Saturated fat, trans-unsaturated fat, alcohol, potassium, magnesium, total servings of fruits and vegetables, and hypercholesterolemia at baseline.	Qt5	g/d	0.6	nd
7	Iso 2001 11176840	no	joules (continuous), BMI, alcohol intake, menopausal status and postmenopausal hormone use, vigorous exercise, usual aspirin use, multivitamin use, history of HTN, frequency of total fruit and vegetable servings and for nutrient intake of saturated fat, trans-unsaturated fat, linoleic acid, animal protein, calcium	Qt1	g/d	nd	0.077
8	Iso 2001 11176840	no	joules (continuous), BMI, alcohol intake, menopausal status and postmenopausal hormone use, vigorous exercise, usual aspirin use, multivitamin use, history of HTN, frequency of total fruit and vegetable servings and for nutrient intake of saturated fat, trans-unsaturated fat, linoleic acid, animal protein, calcium	Qt2	g/d	nd	0.118
9	Iso 2001 11176840	no	joules (continuous), BMI, alcohol intake, menopausal status and postmenopausal hormone use, vigorous exercise, usual aspirin use, multivitamin use, history of HTN, frequency of total fruit and vegetable servings and for nutrient intake of saturated fat, trans-unsaturated fat, linoleic acid, animal protein, calcium	Qt3	g/d	nd	0.171
10	Iso 2001 11176840	no	joules (continuous), BMI, alcohol intake, menopausal status and postmenopausal hormone use, vigorous exercise, usual aspirin use, multivitamin use, history of HTN, frequency of total fruit and vegetable servings and for nutrient intake of saturated fat, trans-unsaturated fat, linoleic acid, animal protein, calcium	Qt4	g/d	nd	0.221
11	Iso 2001 11176840	no	joules (continuous), BMI, alcohol intake, menopausal status and postmenopausal hormone use, vigorous exercise, usual aspirin use, multivitamin use, history of HTN, frequency of total fruit and vegetable servings and for nutrient intake of saturated fat, trans-unsaturated fat, linoleic acid, animal protein, calcium	Qt5	g/d	nd	0.481
12	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt1	mg/d	nd	131
13	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt2	mg/d	nd	222
14	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt3	mg/d	nd	289
15	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt4	mg/d	nd	370
16	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt5	mg/d	nd	559
17	Fretts 2014 25159901	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt1	% FA	0.05	0.09

Observational results: hemorrhagic stroke

Row	Study PMID	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
2	He 2002 12495393	<0.05	RR	4	nd	19741	Reference group			p trend	0.87
3	He 2002 12495393	<0.2	RR	41	nd	155579	1.29	0.45	3.75		
4	He 2002 12495393	<0.4	RR	37	nd	175161	1.02	0.35	3		
5	He 2002 12495393	<0.6	RR	13	nd	68003	0.89	0.27	2.87		
6	He 2002 12495393	>=0.6	RR	11	nd	43539	1.14	0.34	3.84		
7	Iso 2001 11176840	nd	RR	48	nd	nd	Reference group			P trend	0.44
8	Iso 2001 11176840	nd	RR	41	nd	nd	0.94	0.61	1.43		
9	Iso 2001 11176840	nd	RR	30	nd	nd	0.66	0.41	1.05		
10	Iso 2001 11176840	nd	RR	36	nd	nd	0.93	0.58	1.49		
11	Iso 2001 11176840	nd	RR	26	nd	nd	0.76	0.43	1.37		
12	Levitan 2010 20332801	nd	RR	51	nd	70855	Reference group			P trend	0.16
13	Levitan 2010 20332801	nd	RR	40	nd	72278	0.82	0.66	1.41		
14	Levitan 2010 20332801	nd	RR	50	nd	72639	1.06	0.56	1.27		
15	Levitan 2010 20332801	nd	RR	54	nd	72317	1.09	0.44	1.07		
16	Levitan 2010 20332801	nd	RR	38	nd	70924	0.68	0.58	1.34		
17	Fretts 2014 25159901	0.11	HR	11	nd	6208	Reference group			P trend	0.83

Observational results: hemorrhagic stroke

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure
18	Fretts 2014 25159901	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	59/2709 (2.18)	16y	ALA	Plasma
19	Fretts 2014 25159901	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	59/2709 (2.18)	16y	ALA	Plasma
20	Fretts 2014 25159901	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	59/2709 (2.18)	16y	ALA	Plasma
21	Fretts 2014 25159901	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	59/2709 (2.18)	16y	ALA	Plasma
22	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	EPA	Plasma
23	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	EPA	Plasma
24	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	EPA	Plasma
25	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	EPA	Plasma
26	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	EPA	Plasma
27	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	12y	ALA	Intake
28	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	12y	ALA	Intake
29	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	12y	ALA	Intake
30	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	12y	ALA	Intake
31	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	12y	ALA	Intake
32	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	DPA	Plasma
33	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	DPA	Plasma
34	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	DPA	Plasma
35	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	DPA	Plasma
36	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	DPA	Plasma
37	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	All n-3	Plasma

Observational results: hemorrhagic stroke

Row	Study PMID	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
18	Fretts 2014 25159901	0.13	HR	10	nd	5792	1.01	0.42	2.43		
19	Fretts 2014 25159901	0.15	HR	15	nd	6026	1.45	0.65	3.27		
20	Fretts 2014 25159901	0.19	HR	11	nd	6132	0.94	0.39	2.26		
21	Fretts 2014 25159901	0.47	HR	12	nd	6589	0.95	0.4	2.25		
22	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	Reference group			P trend	0.32
23	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	1.14	0.56	2.32		
24	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	1	0.47	2.14		
25	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	0.9	0.41	1.99		
26	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	0.7	0.3	1.67		
27	Mozaffarian 2013 23546563	1.45	HR	8	nd	4691	Reference group			P trend	0.16
28	Mozaffarian 2013 23546563	1.65	HR	8	nd	4785	1.19	0.41	3.44		
29	Mozaffarian 2013 23546563	1.87	HR	15	nd	4891	2.12	0.81	5.54		
30	Mozaffarian 2013 23546563	2.17	HR	10	nd	4997	1.52	0.54	4.24		
31	Mozaffarian 2013 23546563	4.88	HR	15	nd	5380	1.96	0.73	5.27		
32	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	Reference group			P trend	0.39
33	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	0.58	0.28	1.23		
34	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	0.33	0.14	0.8		
35	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	0.75	0.37	1.51		
36	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	0.66	0.32	1.35		
37	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	Reference group			P trend	0.86

Observational results: hemorrhagic stroke

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure
38	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	All n-3	Plasma
39	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	All n-3	Plasma
40	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	All n-3	Plasma
41	Mozaffarian 2013 23546563	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	65/3941 (1.65)	16y	All n-3	Plasma
42	de Goede 2013 22633188	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	50/100 (50)	16y	DHA	Plasma
43	de Goede 2013 22633188	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	50/100 (50)	16y	DHA	Plasma
44	Lemaitre 2012 22743310	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	nd	16y	DHA	Plasma
45	Lemaitre 2012 22743310	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	nd	16y	DHA	Plasma
46	Lemaitre 2012 22743310	Cardiovascular Health Study	Stroke, hemorrhagic		Healthy	Healthy age >= 65y	All	nd	16y	DHA	Plasma
47	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	hemorrhagic stroke	Healthy	adults 20-65 yr	All	nd	10.5 yr	ALA	Plasma
48	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	hemorrhagic stroke	Healthy	adults 20-65 yr	All	nd	10.5 yr	EPA+DHA	Plasma
50	Subgroup analyses										
51	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	Women	233/34670 (0.67)	10.4 y	ALA	Intake
52	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	Women	233/34670 (0.67)	10.4 y	ALA	Intake
53	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	Women	233/34670 (0.67)	10.4 y	ALA	Intake
54	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	Women	233/34670 (0.67)	10.4 y	ALA	Intake

Observational results: hemorrhagic stroke

Row	Study PMID	Supplement	Adjustments	Quantile	n3 units	Quantile low	Quantile median
38	Mozaffarian 2013 23546563	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt2	% FA	nd	3.72
39	Mozaffarian 2013 23546563	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt3	% FA	nd	4.21
40	Mozaffarian 2013 23546563	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt4	% FA	nd	4.8
41	Mozaffarian 2013 23546563	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt5	% FA	nd	6.04
42	de Goede 2013 22633188	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt1	% FA	nd	1.95
43	de Goede 2013 22633188	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt2	% FA	nd	2.44
44	Lemaitre 2012 22743310	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt3	% FA	nd	2.87
45	Lemaitre 2012 22743310	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt4	% FA	nd	3.36
46	Lemaitre 2012 22743310	no	Adjusted for age (years), sex, race (white, nonwhite), education(<high school, high school, some college, college graduate), enrollment site (4 sites), fatty acid measurement batch (1994–96, 2007–10), smoking (never, former, current), prevalent diabetes (yes, no), prevalent atrial fibrillation (yes, no), prevalent drug-treated hypertension (yes, no), leisure-time physical activity (mcal/week), body mass index (kg/m2), waist circumference (cm), and alcohol use (6 categories).	Qt5	% FA	nd	4.34
47	de Goede 2010 20335635	No	matched for age, gender, and enrollment data + smoking + BMI + education level + alcohol intake + diabetes + hypertension + hypercholesterolemia		% FA	nd	Cases: 0.54 (SD = 0.14), Controls: 0.54 (SD = 0.16)
48	de Goede 2010 20335635	No	matched for age, gender, and enrollment data + smoking + BMI + education level + alcohol intake + diabetes + hypertension + hypercholesterolemia		% FA	nd	Cases: 1.29 (SD = 0.78), Controls: 1.12 (SD = 0.40)
50	Subgroup analyses						
51	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt1	g/d	nd	0.9
52	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt2	g/d	nd	1
53	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt3	g/d	nd	1.1
54	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt4	g/d	nd	1.3

Observational results: hemorrhagic stroke

Row	Study PMID	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
38	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	1.03	0.45	2.35		
39	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	1.81	0.86	3.82		
40	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	0.74	0.29	1.88		
41	Mozaffarian 2013 23546563	nd	HR	nd	nd	nd	1.23	0.53	2.89		
42	de Goede 2013 22633188	nd	HR	nd	nd	nd	Reference group			P trend	0.9
43	de Goede 2013 22633188	nd	HR	nd	nd	nd	1.41	0.64	3.09		
44	Lemaitre 2012 22743310	nd	HR	nd	nd	nd	1.61	0.75	3.46		
45	Lemaitre 2012 22743310	nd	HR	nd	nd	nd	0.63	0.24	1.66		
46	Lemaitre 2012 22743310	nd	HR	nd	nd	nd	1.24	0.52	2.94		
47	de Goede 2010 20335635	nd	OR	nd	nd	nd	0.73	0.4	1.32		0.86
48	de Goede 2010 20335635	nd	OR	nd	nd	nd	1.08	0.75	1.57		0.45
50	Subgroup analyses										
51	Levitan 2010 20332801	nd	RR	58	nd	71329	Reference group			P trend	0.37
52	Levitan 2010 20332801	nd	RR	39	nd	72366	0.68	0.54	1.25		
53	Levitan 2010 20332801	nd	RR	48	nd	71644	0.86	0.71	1.59		
54	Levitan 2010 20332801	nd	RR	46	nd	72237	0.82	0.73	1.63		

Observational results: hemorrhagic stroke

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure
55	Levitan 2010 20332801	Swedish Mammography Study	Stroke, hemorrhagic	Hemorrhagic stroke	Healthy	Healthy, ages 49-83	Women	233/34670 (0.67)	10.4 y	ALA	Intake
56	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Women	nd	10.5 y	EPA+DHA	Intake
57	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Women	nd	10.5 y	EPA+DHA	Intake
58	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Women	nd	10.5 y	EPA+DHA	Intake
59	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Women	nd	10.5 y	EPA+DHA	Intake
60	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Men	nd	10.5 y	EPA+DHA	Intake
61	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Men	nd	10.5 y	EPA+DHA	Intake
62	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Men	nd	10.5 y	EPA+DHA	Intake
63	de Goede 2010 20335635	MORGEN	Stroke, hemorrhagic	Hemorrhagic Stroke	Healthy	Healthy 20-65 yo	Men	nd	10.5 y	EPA+DHA	Intake

Observational results: hemorrhagic stroke

Row	Study PMID	Supplement	Adjustments	Quantile	n3 units	Quantile low	Quantile median
55	Levitan 2010 20332801	yes	We adjusted for BMI (linear), physical activity (linear), energy intake (linear), alcohol consumption (linear), fiber consumption (linear), sodium consumption (linear), daily servings of red or processed meat (linear), education (less than high school, high school, university), family history of myocardial infarction at <60 years (yes, no), cigarette smoking (current, past, never), living alone (yes, no), postmenopausal hormone use (yes, no), self-reported history of hypertension (yes, no) and self-reported history of high cholesterol (yes, no).	Qt5	g/d	nd	1.5
56	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt1	mg/d	nd	36
57	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt2	mg/d	57	77
58	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt3	mg/d	107	142
59	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt4	mg/d	nd	225
60	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt1	mg/d	nd	44
61	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt2	mg/d	66	89
62	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt3	mg/d	119	157
63	de Goede 2010 20335635	No	age, smoking, BMI, educational level, parental history of myocardial infarction, alcohol intake, total energy intake, dietary fiber, vit C, beta-careotene, SFA, TFA, MFA, LA, ALA	Qt4	mg/d	nd	241

Observational results: hemorrhagic stroke

Row	Study PMID	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
55	Levitan 2010 20332801	nd	RR	42	nd	71437	0.77	0.43	1.07		
56	de Goede 2010 20335635	<57	HR	9	2770	nd	Reference group			P trend	.18
57	de Goede 2010 20335635	106	HR	7	2770	nd	.73	.27	2		
58	de Goede 2010 20335635	188	HR	10	2771	nd	1	.39	2.57		
59	de Goede 2010 20335635	>188	HR	5	2770	nd	.45	.14	1.42		
60	de Goede 2010 20335635	<66	HR	6	2247	nd	Reference group			P trend	.03
61	de Goede 2010 20335635	118	HR	7	2247	nd	1.22	.4	3.7		
62	de Goede 2010 20335635	198	HR	1	2247	nd	.16	.02	1.32		
63	de Goede 2010 20335635	>199	HR	2	2247	nd	.28	.05	1.46		