Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA
2	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
3	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
4	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
5	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
6	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
7	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
8	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
9	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
10	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
11	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
12	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
13	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	EPA+DHA+DPA
14	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
15	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
16	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
17	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
18	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
19	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
20	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
21	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
22	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
23	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
24	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
25	Dolecek 1992 1579579	MRFIT	CHD death	Coronary Heart Disease	Healthy	Men aged 35-57 assigned to the usual care group	Men	175/6258 (2.8)	10.5 y	ALA
26	Hu 2002 11939867	Nurses' Health Study	CHD death	fatal CHD	Healthy	Healthy 34-59 yo female nurses	Women	484/84688 (0.57)	16 y	EPA+DHA

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	n3 measure	Supplement	Adjustments	Quantile	n3 units
2	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt1	g/d
3	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt2	g/d
4	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt3	g/d
5	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt4	g/d
6	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt5	g/d
7	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	All	g/d
8	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt1	% kcal
9	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt2	% kcal
10	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt3	% kcal
11	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt4	% kcal
12	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt5	% kcal
13	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	All	% kcal
14	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt1	g/d
15	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt2	g/d
16	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt3	g/d
17	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt4	g/d
18	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt5	g/d
19	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	All	g/d
20	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt1	% kcal
21	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt2	% kcal
22	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt3	% kcal
23	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt4	% kcal
24	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	Qt5	% kcal
25	Dolecek 1992 1579579	Intake	nd	age ,race, smoking, baseline diastolic blood pressure, high density lipoprotein, low density lipoprotein	All	% kcal
26	Hu 2002 11939867	Intake	no	age, time periods, smoking status (never, past, curent), BMI (<22, 22-22.9, 23-24.9, 25-28.9, 29+ kg/m2), alcohol intake (0, <5, 5-14, 15+), menopausal status and postmenopausal hormone use, vigorous to moderate activity (<1, 1-1.9, 2-3.9, 4-6.9, 7+ hours/week), number of times aspirin was used per week (<1, 1-2, 3-6, 7-14, 15+), multivitamin use (yes vs. no), vitamin E supplement use (yes vs. no), history of HTN (yes vs. no), hypercholesterolemia (yes vs. no), diabetes (yes vs. no)	Qt1	% kcal

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
2	Dolecek 1992 1579579	nd	0 (mean)	nd	RR	nd	1307	nd	Reference group	nd	nd		<0.05
3	Dolecek 1992 1579579	nd	0.009 (mean)	nd	RR	nd	1197	nd	1.08	nd	nd		
4	Dolecek 1992 1579579	nd	0.046 (mean)	nd	RR	nd	1251	nd	0.92	nd	nd		
5	Dolecek 1992 1579579	nd	0.153 (mean)	nd	RR	nd	1252	nd	0.89	nd	nd		
6	Dolecek 1992 1579579	nd	0.664 (mean)	nd	RR	nd	1251	nd	0.61	nd	nd		
7	Dolecek 1992 1579579	nd	nd	nd	HR	175	6258	nd	0.393057251	nd	nd		<0.05
8	Dolecek 1992 1579579	nd	0 (mean)	nd	RR	nd	1307	nd	Reference group	nd	nd		<0.05
9	Dolecek 1992 1579579	nd	0.004 (mean)	nd	RR	nd	1196	nd	1.07	nd	nd		
10	Dolecek 1992 1579579	nd	0.019 (mean)	nd	RR	nd	1252	nd	0.82	nd	nd		
11	Dolecek 1992 1579579	nd	0.063 (mean)	nd	RR	nd	1252	nd	1.12	nd	nd		
12	Dolecek 1992 1579579	nd	0.284 (mean)	nd	RR	nd	1251	nd	0.5	nd	nd		
13	Dolecek 1992 1579579	nd	nd	nd	HR	175	6258	nd	0.624065468	nd	nd		<0.05
14	Dolecek 1992 1579579	nd	0.873 (mean)	nd	RR	nd	1251	nd	Reference group	nd	nd		NS
15	Dolecek 1992 1579579	nd	1.273 (mean)	nd	RR	nd	1253	nd	0.96	nd	nd		
16	Dolecek 1992 1579579	nd	1.577 (mean)	nd	RR	nd	1251	nd	0.56	nd	nd		
17	Dolecek 1992 1579579	nd	1.926 (mean)	nd	RR	nd	1251	nd	0.96	nd	nd		
18	Dolecek 1992 1579579	nd	2.802 (mean)	nd	RR	nd	1252	nd	0.66	nd	nd		
19	Dolecek 1992 1579579	nd	nd	nd	HR	175	6258	nd	0.835687951	nd	nd		NS
20	Dolecek 1992 1579579	nd	0.424 (mean)	nd	RR	nd	1251	nd	Reference group	nd	nd		<0.05
21	Dolecek 1992 1579579	nd	0.544 (mean)	nd	RR	nd	1252	nd	0.72	nd	nd		
22	Dolecek 1992 1579579	nd	0.63 (mean)	nd	RR	nd	1252	nd	0.8	nd	nd		
23	Dolecek 1992 1579579	nd	0.732 (mean)	nd	RR	nd	1252	nd	0.61	nd	nd		
24	Dolecek 1992 1579579	nd	0.98 (mean)	nd	RR	nd	1251	nd	0.58	nd	nd		
25	Dolecek 1992 1579579	nd	nd	nd	HR	175	6258	nd	0.427714227	nd	nd		<0.05
26	Hu 2002 11939867	nd	0.03	nd	RR	81	nd	255434	Reference group	nd	nd	P trend	<0.001

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA
27	Hu 2002 11939867	Nurses' Health Study	CHD death	fatal CHD	Healthy	Healthy 34-59 yo female nurses	Women	484/84688 (0.57)	16 y	EPA+DHA
28	Hu 2002 11939867	Nurses' Health Study	CHD death	fatal CHD	Healthy	Healthy 34-59 yo female nurses	Women	484/84688 (0.57)	16 y	EPA+DHA
29	Hu 2002 11939867	Nurses' Health Study	CHD death	fatal CHD	Healthy	Healthy 34-59 yo female nurses	Women	484/84688 (0.57)	16 y	EPA+DHA
30	Hu 2002 11939867	Nurses' Health Study	CHD death	fatal CHD	Healthy	Healthy 34-59 yo female nurses	Women	484/84688 (0.57)	16 y	EPA+DHA
31	Iso 2006 16401768	Japan Public Health Center-Based Study - Cohort I	CHD death	Fatal coronary events	Healthy	Healthy 40-59	All	62/41578 (0.15)	11.5 y	EPA+DHA
32	Iso 2006 16401768	Japan Public Health Center-Based Study - Cohort I	CHD death	Fatal coronary events	Healthy	Healthy 40-59	All	62/41578 (0.15)	11.5 y	EPA+DHA
33	Iso 2006 16401768	Japan Public Health Center-Based Study - Cohort I	CHD death	Fatal coronary events	Healthy	Healthy 40-59	All	62/41578 (0.15)	11.5 y	EPA+DHA
34	Iso 2006 16401768	Japan Public Health Center-Based Study - Cohort I	CHD death	Fatal coronary events	Healthy	Healthy 40-59	All	62/41578 (0.15)	11.5 y	EPA+DHA
35	Iso 2006 16401768	Japan Public Health Center-Based Study - Cohort I	CHD death	Fatal coronary events	Healthy	Healthy 40-59	All	62/41578 (0.15)	11.5 y	EPA+DHA
36	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	EPA
37	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	EPA
38	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	EPA
39	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	EPA
40	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	EPA
41	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	280/2583 (10.84)	12y	ALA
42	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	280/2583 (10.84)	12y	ALA
43	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	280/2583 (10.84)	12y	ALA
44	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	280/2583 (10.84)	12y	ALA
45	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	280/2583 (10.84)	12y	ALA

Row	Study PMID	n3 measure	Supplement	Adjustments	Quantile	n3 units
27	Hu 2002 11939867	Intake	no	age, time periods, smoking status (never, past, curent), BMI (<22, 22-22.9, 23-24.9, 25-28.9, 29+ kg/m2), alcohol intake (0, <5, 5-14, 15+), menopausal status and postmenopausal hormone use, vigorous to moderate activity (<1, 1-1.9, 2-3.9, 4-6.9, 7+ hours/week), number of times aspirin was used per week (<1, 1-2, 3-6, 7-14, 15+), multivitamin use (yes vs. no), vitamin E supplement use (yes vs. no), history of HTN (yes vs. no), hypercholesterolemia (yes vs. no), diabetes (yes vs. no)	Qt2	% kcal
28	Hu 2002 11939867	Intake	no	age, time periods, smoking status (never, past, curent), BMI (<22, 22-22.9, 23-24.9, 25-28.9, 29+ kg/m2), alcohol intake (0, <5, 5-14, 15+), menopausal status and postmenopausal hormone use, vigorous to moderate activity (<1, 1-1.9, 2-3.9, 4-6.9, 7+ hours/week), number of times aspirin was used per week (<1, 1-2, 3-6, 7-14, 15+), multivitamin use (yes vs. no), vitamin E supplement use (yes vs. no), history of HTN (yes vs. no), hypercholesterolemia (yes vs. no), diabetes (yes vs. no)	Qt3	% kcal
29	Hu 2002 11939867	Intake	no	age, time periods, smoking status (never, past, curent), BMI (<22, 22-22.9, 23-24.9, 25-28.9, 29+ kg/m2), alcohol intake (0, <5, 5-14, 15+), menopausal status and postmenopausal hormone use, vigorous to moderate activity (<1, 1-1.9, 2-3.9, 4-6.9, 7+ hours/week), number of times aspirin was used per week (<1, 1-2, 3-6, 7-14, 15+), multivitamin use (yes vs. no), vitamin E supplement use (yes vs. no), history of HTN (yes vs. no), hypercholesterolemia (yes vs. no), diabetes (yes vs. no)	Qt4	% kcal
30	Hu 2002 11939867	Intake	no	age, time periods, smoking status (never, past, curent), BMI (<22, 22-22.9, 23-24.9, 25-28.9, 29+ kg/m2), alcohol intake (0, <5, 5-14, 15+), menopausal status and postmenopausal hormone use, vigorous to moderate activity (<1, 1-1.9, 2-3.9, 4-6.9, 7+ hours/week), number of times aspirin was used per week (<1, 1-2, 3-6, 7-14, 15+), multivitamin use (yes vs. no), vitamin E supplement use (yes vs. no), history of HTN (yes vs. no), hypercholesterolemia (yes vs. no), diabetes (yes vs. no)	Qt5	% kcal
31	Iso 2006 16401768	Intake	No	age; sex; cigarette smoking; alcohol intake; body mass index; histories of hypertension and diabetes; medication use for hypercholesterolemia; education level; sports at leisure time; quintiles of dietary intake of fruits, vegetables, saturated fat, monounsaturated fat, n6 polyunsaturated fat, cholesterol, and total energy; and PHC.	Qt1	g/d
32	Iso 2006 16401768	Intake	No	age; sex; cigarette smoking; alcohol intake; body mass index; histories of hypertension and diabetes; medication use for hypercholesterolemia; education level; sports at leisure time; quintiles of dietary intake of fruits, vegetables, saturated fat, monounsaturated fat, n6 polyunsaturated fat, cholesterol, and total energy; and PHC.	Qt2	g/d
33	Iso 2006 16401768	Intake	No	age; sex; cigarette smoking; alcohol intake; body mass index; histories of hypertension and diabetes; medication use for hypercholesterolemia; education level; sports at leisure time; quintiles of dietary intake of fruits, vegetables, saturated fat, monounsaturated fat, n6 polyunsaturated fat, cholesterol, and total energy; and PHC.	Qt3	g/d
34	Iso 2006 16401768	Intake	No	age; sex; cigarette smoking; alcohol intake; body mass index; histories of hypertension and diabetes; medication use for hypercholesterolemia; education level; sports at leisure time; quintiles of dietary intake of fruits, vegetables, saturated fat, monounsaturated fat, n6 polyunsaturated fat, cholesterol, and total energy; and PHC.	Qt4	g/d
35	Iso 2006 16401768	Intake	No	age; sex; cigarette smoking; alcohol intake; body mass index; histories of hypertension and diabetes; medication use for hypercholesterolemia; education level; sports at leisure time; quintiles of dietary intake of fruits, vegetables, saturated fat, monounsaturated fat, n6 polyunsaturated fat, cholesterol, and total energy; and PHC.	Qt5	g/d
36	Mozaffarian 2013 23546563	Plasma	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
37	Mozaffarian 2013 23546563	Plasma	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
38	Mozaffarian 2013 23546563	Plasma	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
39	Mozaffarian 2013 23546563	Plasma	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
40	Mozaffarian 2013 23546563	Plasma	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
41	Fretts 2014 25159901	Intake	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt1	% fat intake
42	Fretts 2014 25159901	Intake	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt2	% fat intake
43	Fretts 2014 25159901	Intake	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt3	% fat intake
44	Fretts 2014 25159901	Intake	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt4	% fat intake
45	Fretts 2014 25159901	Intake	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt5	% fat intake

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
27	Hu 2002 11939867	nd	0.05	nd	RR	143	nd	270898	0.93	0.7	1.24		
28	Hu 2002 11939867	nd	0.08	nd	RR	103	nd	263131	0.69	0.51	0.95		
29	Hu 2002 11939867	nd	0.14	nd	RR	73	nd	259454	0.54	0.39	0.76		
30	Hu 2002 11939867	nd	0.24	nd	RR	84	nd	258583	0.63	0.45	0.88		
31	Iso 2006 16401768	nd	0.3 (mean)	nd	HR	10	nd	102711	Reference group			P trend	0.1
32	Iso 2006 16401768	nd	0.6 (mean)	nd	HR	6	nd	95861	0.64	0.23	1.76		
33	Iso 2006 16401768	nd	0.9 (mean)	nd	HR	14	nd	95258	1.44	0.64	3.24		
34	Iso 2006 16401768	nd	1.3 (mean)	nd	HR	14	nd	91435	1.46	0.65	3.29		
35	Iso 2006 16401768	nd	2.1 (mean)	nd	HR	18	nd	92062	1.79	0.82	3.87		
36	Mozaffarian 2013 23546563	nd	0.3	nd	HR	nd	nd	nd	Reference group			P trend	0.121
37	Mozaffarian 2013 23546563	nd	0.41	nd	HR	nd	nd	nd	0.98	0.71	1.36		
38	Mozaffarian 2013 23546563	nd	0.51	nd	HR	nd	nd	nd	0.94	0.68	1.31		
39	Mozaffarian 2013 23546563	nd	0.64	nd	HR	nd	nd	nd	0.9	0.64	1.26		
40	Mozaffarian 2013 23546563	nd	0.92	nd	HR	nd	nd	nd	0.77	0.54	1.11		
41	Fretts 2014 25159901	0.39	1.33	1.45	HR	61	nd	4875	Reference group			P trend	0.54
42	Fretts 2014 25159901	1.45	1.56	1.65	HR	55	nd	4987	0.89	0.62	1.29		
43	Fretts 2014 25159901	1.65	1.76	1.87	HR	50	nd	5096	0.83	0.57	1.21		
44	Fretts 2014 25159901	1.87	2	2.17	HR	62	nd	5291	0.94	0.65	1.36		
45	Fretts 2014 25159901	2.17	2.44	4.88	HR	52	nd	5600	0.85	0.58	1.26		

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA
46	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	331/2709 (12.22)	16y	ALA
47	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	331/2709 (12.22)	16y	ALA
48	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	331/2709 (12.22)	16y	ALA
49	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	331/2709 (12.22)	16y	ALA
50	Fretts 2014 25159901	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	331/2709 (12.22)	16y	ALA
51	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DPA
52	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DPA
53	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DPA
54	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DPA
55	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DPA
56	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	All n-3
57	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	All n-3
58	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	All n-3
59	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	All n-3
60	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	All n-3
61	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DHA
62	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DHA
63	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DHA
64	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DHA

Row	Study PMID	n3 measure	Supplement	Adjustments	Quantile	n3 units
46	Fretts 2014 25159901	Plasma	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt1	% FA
47	Fretts 2014 25159901	Plasma	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt2	% FA
48	Fretts 2014 25159901	Plasma	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt3	% FA
49	Fretts 2014 25159901	Plasma	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt4	% FA
50	Fretts 2014 25159901	Plasma	no	age, sex, race, enrolment site, education, smoking status, diabetes, BMI, waist circumference, physical activity, alcohol consumption and treated hypertension.	Qt5	% FA
51	Mozaffarian 2013 23546563	Plasma	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
52	Mozaffarian 2013 23546563	Plasma	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
53	Mozaffarian 2013 23546563	Plasma	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
54	Mozaffarian 2013 23546563	Plasma	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
55	Mozaffarian 2013 23546563	Plasma	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
56	Mozaffarian 2013 23546563	Plasma	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
57	Mozaffarian 2013 23546563	Plasma	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
58	Mozaffarian 2013 23546563	Plasma	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
59	Mozaffarian 2013 23546563	Plasma	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
60	Mozaffarian 2013 23546563	Plasma	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
61	Mozaffarian 2013 23546563	Plasma	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
62	Mozaffarian 2013 23546563	Plasma	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
63	Mozaffarian 2013 23546563	Plasma	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
64	Mozaffarian 2013 23546563	Plasma	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

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
46	Fretts 2014 25159901	0.05	0.09	0.11	HR	101	nd	6483	Reference group			P trend	0.98
47	Fretts 2014 25159901	0.11	0.12	0.13	HR	64	nd	6025	1.06	0.75	1.51		
48	Fretts 2014 25159901	0.13	0.14	0.15	HR	69	nd	6315	1.16	0.82	1.65		
49	Fretts 2014 25159901	0.15	0.17	0.19	HR	64	nd	6352	1.02	0.71	1.45		
50	Fretts 2014 25159901	0.19	0.22	0.47	HR	66	nd	6936	1.03	0.72	1.46		
51	Mozaffarian 2013 23546563	nd	0.63	nd	HR	nd	nd	nd	Reference group			P trend	0.36
52	Mozaffarian 2013 23546563	nd	0.75	nd	HR	nd	nd	nd	0.69	0.49	0.97		
53	Mozaffarian 2013 23546563	nd	0.82	nd	HR	nd	nd	nd	0.99	0.72	1.37		
54	Mozaffarian 2013 23546563	nd	0.91	nd	HR	nd	nd	nd	0.82	0.59	1.15		
55	Mozaffarian 2013 23546563	nd	1.04	nd	HR	nd	nd	nd	0.79	0.56	1.11		
56	Mozaffarian 2013 23546563	nd	3.17	nd	HR	nd	nd	nd	Reference group			P trend	0.002
57	Mozaffarian 2013 23546563	nd	3.72	nd	HR	nd	nd	nd	0.88	0.64	1.22		
58	Mozaffarian 2013 23546563	nd	4.21	nd	HR	nd	nd	nd	1.03	0.75	1.41		
59	Mozaffarian 2013 23546563	nd	4.8	nd	HR	nd	nd	nd	0.62	0.43	0.89		
60	Mozaffarian 2013 23546563	nd	6.04	nd	HR	nd	nd	nd	0.6	0.42	0.87		
61	Mozaffarian 2013 23546563	nd	1.95	nd	HR	nd	nd	nd	Reference group			P trend	0.003
62	Mozaffarian 2013 23546563	nd	2.44	nd	HR	nd	nd	nd	0.98	0.71	1.36		
63	Mozaffarian 2013 23546563	nd	2.87	nd	HR	nd	nd	nd	0.96	0.69	1.32		
64	Mozaffarian 2013 23546563	nd	3.36	nd	HR	nd	nd	nd	0.77	0.55	1.08		

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA
65	Mozaffarian 2013 23546563	Cardiovascular Health Study	CHD death	Total CHD mortality	Healthy	Healthy age >= 65y	All	359/3941 (9.11)	16y	DHA
66	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA+DHA
67	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA+DHA
68	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA+DHA
69	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA+DHA
70	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	All n-3
71	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	All n-3
72	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	All n-3
73	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	All n-3
74	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA
75	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA
76	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA
77	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	EPA
78	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	DHA
79	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	DHA
80	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	DHA
81	Miyagawa 2014 24468152	NIPPON DATA80	CHD death	CHD	Healthy	healthy individual with mean age of 50	All	171/9190 (1.86)	24 y	DHA
82	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	ALA
83	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	ALA
84	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	ALA
85	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	ALA
86	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	ALA

Row	Study PMID	n3 measure	Supplement	Adjustments	Quantile	n3 units
65	Mozaffarian 2013 23546563	Plasma	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
66	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr1	% kcal
67	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr2	% kcal
68	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr3	% kcal
69	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr4	% kcal
70	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr1	% kcal
71	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr2	% kcal
72	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr3	% kcal
73	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr4	% kcal
74	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr1	% kcal
75	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr2	% kcal
76	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr3	% kcal
77	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr4	% kcal
78	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr1	% kcal
79	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr2	% kcal
80	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr3	% kcal
81	Miyagawa 2014 24468152	Intake	no	age, sex, moking status, drinking status, systolic blood pressure, blood glucose, serum total cholesterol, body mass index, antihypertensive medication status and residential area	Qr4	% kcal
82	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt1	g/d
83	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt2	g/d
84	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt3	g/d
85	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt4	g/d
86	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt5	g/d

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
65	Mozaffarian 2013 23546563	nd	4.34	nd	HR	nd	nd	nd	0.6	0.41	0.87		
66	Miyagawa 2014 24468152	men 0.00, women 0.02	men 0.18, women 0.19	men 0.23, women 0.25	HR	39	nd	47402	1	nd	nd	overal effect for trend	0.713
67	Miyagawa 2014 24468152	men 0.24, women 0.26	men 0.29, women 0.32	men 0.35, women 0.38	HR	43	nd	50196	1.01	0.66	1.57		
68	Miyagawa 2014 24468152	men 0.36, women 0.39	men 0.43, women 0.46	men 0.51, women 0.55	HR	43	nd	47359	0.95	0.61	1.46		
69	Miyagawa 2014 24468152	men 0.52, women 0.56	men 0.65, women 0.70	men 2.34 women 2.43	HR	46	nd	47940	0.94	0.61	1.45		
70	Miyagawa 2014 24468152	men 0.20, women 0.21	nd	men 0.85, women 0.93	HR	52	nd	45771	1	nd	nd	overal effect for trend	0.395
71	Miyagawa 2014 24468152	men 0.86, women 0.94	nd	men 1.05, women 1.15	HR	47	nd	49814	1.06	0.71	1.57		
72	Miyagawa 2014 24468152	men 1.06, women 1.16	nd	men 1.28, women 1.39	HR	34	nd	48876	0.81	0.52	1.25		
73	Miyagawa 2014 24468152	men 1.29, women 1.40	nd	men 3.92 women 3.66	HR	38	nd	48438	0.89	0.58	1.36		
74	Miyagawa 2014 24468152	men 0.00, women 0.00	nd	men 0.08, women 0.09	HR	41	nd	49312	1	nd	nd	overal effect for trend	0.518
75	Miyagawa 2014 24468152	men 0.09, women 0.10	nd	men 0.13, women 0.14	HR	44	nd	49840	1.01	0.66	1.54		
76	Miyagawa 2014 24468152	men 0.14, women 0.15	nd	men 0.19, women 0.21	HR	41	nd	45546	0.92	0.59	1.42		
77	Miyagawa 2014 24468152	men 0.20, women 0.22	nd	men 0.95, women 0.98	HR	45	nd	48200	0.89	0.58	1.36		
78	Miyagawa 2014 24468152	men 0.00, women 0.10	nd	men 0.15, women 0.16	HR	40	nd	49413	1	nd	nd	overal effect for trend	0.565
79	Miyagawa 2014 24468152	men 0.16, women 0.17	nd	men 0.22, women 0.23	HR	43	nd	46366	1.11	0.72	1.71		
80	Miyagawa 2014 24468152	men 0.23, women 0.24	nd	men 0.31, women 0.34	HR	44	nd	50022	0.96	0.63	1.48		
81	Miyagawa 2014 24468152	men 0.32, women 0.35	nd	men 1.39, women 1.45	HR	44	nd	47097	0.94	0.61	1.44		
82	Pietinen 1997 9149659	nd	0.9	nd	RR	149	nd	25277	1	nd	nd	Overall Test for trend	0.77
83	Pietinen 1997 9149659	nd	1.2	nd	RR	127	nd	25821	0.8	0.94	1.11		
84	Pietinen 1997 9149659	nd	1.5	nd	RR	124	nd	26226	0.84	0.99	1.17		
85	Pietinen 1997 9149659	nd	1.9	nd	RR	122	nd	25961	0.86	1.01	1.2		
86	Pietinen 1997 9149659	nd	2.5	nd	RR	113	nd	26103	0.8	0.96	1.14		

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA
87	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	EPA+DHA+DPA
88	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	EPA+DHA+DPA
89	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	EPA+DHA+DPA
90	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	EPA+DHA+DPA
91	Pietinen 1997 9149659	Alpha-Tocopherol Beta-Carotene Cancer Prevention	CHD death	coronary death	Healthy	health smoking men aged 50-69 years	Men	581/21930 (2.65)	6 y	EPA+DHA+DPA
92	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA
93	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA
94	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA
95	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA
96	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA
97	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	DHA
98	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	DHA
99	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	DHA
100	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	DHA
101	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	DHA
102	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA+DHA
103	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA+DHA
104	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA+DHA
105	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA+DHA
106	Takata 2013 23788668	Shanghai Women's and Men's Health Studies	CHD death	ischemic heart disease death	Healthy	Healthy 40-74	All	5836/134296 (4.35)	11.2 y women; 5.6 y men	EPA+DHA
107	Vedtofte 2014 24964401	Pooling Project of Cohort Studies on Diet and Coronary Disease	CHD death	fatal CHD	Healthy	healthy 49 to 61 y	All	1751/229043 (0.76)	4-10 y	ALA
108	Yamagishi 2008 18786479	JACC	CHD death	ischemic heart disease death	Healthy	Healthy 40-79 yo	All	419/57972 (0.72)	12.7 y	All n-3
109	Yamagishi 2008 18786479	JACC	CHD death	ischemic heart disease death	Healthy	Healthy 40-79 yo	All	419/57972 (0.72)	12.7 y	All n-3

Row	Study PMID	n3 measure	Supplement	Adjustments	Quantile	n3 units
87	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt1	g/d
88	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt2	g/d
89	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt3	g/d
90	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt4	g/d
91	Pietinen 1997 9149659	Intake	no	age, treatment group, smoking, body mass index, blood pressure, intakes of energy, alcohol, and fiber (quintiles), education (<7, 7-11, >11 years), and physical activity (<1, 1-2, >2 times per week).	Qt5	g/d
92	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt1	g/d
93	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt2	g/d
94	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt3	g/d
95	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt4	g/d
96	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt5	g/d
97	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt1	g/d
98	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt2	g/d
99	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt3	g/d
100	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt4	g/d
101	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt5	g/d
102	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt1	g/d
103	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt2	g/d
104	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt3	g/d
105	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt4	g/d
106	Takata 2013 23788668	Intake	No	age at baseline, total energy intake, income, occupation, education, comorbidity index, physical activity level, red meat intake, poultry intake, total vegetable intake, total fruit intake, smoking history (ever/never smoking for women; pack-years of smoking for men), and alcohol consumption (among men only).	Qt5	g/d
107	Vedtofte 2014 24964401	Intake	NA (no ALA supplememt)	age at baseline, calendar year, smoking habits, BMI, physical activity, educational level, history of hypertension, alcohol intake, total energy intake (where alcohol is excluded), fiber intake, MUFA, SFA, trans-fatty acid, long-chain n-3 FA, and linoleic acid intake	All	g/d
108	Yamagishi 2008 18786479	Intake	No	age, sex, htn and dm history, smoking status, alcohol consumption, BMI, mental stress, walking, sports, education, total energy, dietary intake of cholesterol/saturated and omega-3FA/vegetables/fruit	Qt1	g/d
109	Yamagishi 2008 18786479	Intake	No	age, sex, htn and dm history, smoking status, alcohol consumption, BMI, mental stress, walking, sports, education, total energy, dietary intake of cholesterol/saturated and omega-3FA/vegetables/fruit	Qt2	g/d

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
87	Pietinen 1997 9149659	nd	0.2	nd	RR	126	nd	26032	1	nd	nd	Overall Test for trend	0.118
88	Pietinen 1997 9149659	nd	0.3	nd	RR	114	nd	26081	0.8	0.94	1.12		
89	Pietinen 1997 9149659	nd	0.4	nd	RR	120	nd	29590	0.87	1.03	1.21		
90	Pietinen 1997 9149659	nd	0.5	nd	RR	130	nd	25855	0.86	1.02	1.2		
91	Pietinen 1997 9149659	nd	0.8	nd	RR	145	nd	25470	0.97	1.15	1.35		
92	Takata 2013 23788668	nd	0.006 (men), 0.005 (women)	nd	HR	187	26860	nd	Reference group			P trend	0.25
93	Takata 2013 23788668	nd	0.01 (men), 0.01 (women)	nd	HR	102	nd	nd	0.83	0.64	1.06		
94	Takata 2013 23788668	nd	0.02 (men), 0.02 (women)	nd	HR	70	26860	nd	0.71	0.53	0.95		
95	Takata 2013 23788668	nd	0.03 (men), 0.03 (women)	nd	HR	57	nd	nd	0.71	0.52	0.98		
96	Takata 2013 23788668	nd	0.07 (men), 0.06 (women)	nd	HR	60	26858	nd	0.84	0.6	1.16		
97	Takata 2013 23788668	nd	0.009 (men), 0.008 (women)	nd	HR	194	26860	nd	Reference group			P trend	0.31
98	Takata 2013 23788668	nd	0.02 (men), 0.02 (women)	nd	HR	91	nd	nd	0.72	0.51	1		
99	Takata 2013 23788668	nd	0.05 (men), 0.04 (women)	nd	HR	67	26860	nd	0.65	0.47	0.9		
100	Takata 2013 23788668	nd	0.08 (men), 0.08 (women)	nd	HR	65	nd	nd	0.76	0.56	1.02		
101	Takata 2013 23788668	nd	0.15 (men), 0.15 (women)	nd	HR	59	26858	nd	0.79	0.57	1.09		
102	Takata 2013 23788668	nd	nd	nd	HR	195	26860	nd	Reference group			P trend	0.31
103	Takata 2013 23788668	nd	nd	nd	HR	91	nd	nd	0.72	0.55	0.93		
104	Takata 2013 23788668	nd	nd	nd	HR	66	26860	nd	0.64	0.48	0.86		
105	Takata 2013 23788668	nd	nd	nd	HR	65	nd	nd	0.76	0.57	1.03		
106	Takata 2013 23788668	nd	nd	nd	HR	59	26858	nd	0.79	0.57	1.09		
107	Vedtofte 2014 24964401	nd	nd	nd	HR	nd	nd	nd	0.88	0.68	1.14	per g/d increase	
108	Yamagishi 2008 18786479	0.05	nd	1.18	HR	75	11594	735904	Reference group				0.58
109	Yamagishi 2008 18786479	1.18	nd	1.47	HR	86	11595	735904	1.17	0.84	1.62		

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA
110	Yamagishi 2008 18786479	JACC	CHD death	ischemic heart disease death	Healthy	Healthy 40-79 yo	All	419/57972 (0.72)	12.7 y	All n-3
111	Yamagishi 2008 18786479	JACC	CHD death	ischemic heart disease death	Healthy	Healthy 40-79 yo	All	419/57972 (0.72)	12.7 y	All n-3
112	Yamagishi 2008 18786479	JACC	CHD death	ischemic heart disease death	Healthy	Healthy 40-79 yo	All	419/57972 (0.72)	12.7 y	All n-3
113	de Goede 2010 20335635	MORGEN	CHD death	fatal CHD	Healthy	Healthy 20-65 yo	All	82/21055 (0.39)	11.3 y	EPA+DHA
114	de Goede 2010 20335635	MORGEN	CHD death	fatal CHD	Healthy	Healthy 20-65 yo	All	82/21055 (0.39)	11.3 y	EPA+DHA
115	de Goede 2010 20335635	MORGEN	CHD death	fatal CHD	Healthy	Healthy 20-65 yo	All	82/21055 (0.39)	11.3 y	EPA+DHA
116	de Goede 2010 20335635	MORGEN	CHD death	fatal CHD	Healthy	Healthy 20-65 yo	All	82/21055 (0.39)	11.3 y	EPA+DHA
117	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
118	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
119	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
120	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
121	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
122	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
123	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
124	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
125	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
126	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
126	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3
126	Koh_2013_24343844	The Singapore Chinese Health Study	CHD death		Healthy		All	2697/60298 (0.05)	5y	All n-3

Row	Study PMID	n3 measure	Supplement	Adjustments	Quantile	n3 units
110	Yamagishi 2008 18786479	Intake	No	age, sex, htn and dm history, smoking status, alcohol consumption, BMI, mental stress, walking, sports, education, total energy, dietary intake of cholesterol/saturated and omega-3FA/vegetables/fruit	Qt3	g/d
111	Yamagishi 2008 18786479	Intake	No	age, sex, htn and dm history, smoking status, alcohol consumption, BMI, mental stress, walking, sports, education, total energy, dietary intake of cholesterol/saturated and omega-3FA/vegetables/fruit	Qt4	g/d
112	Yamagishi 2008 18786479	Intake	No	age, sex, htn and dm history, smoking status, alcohol consumption, BMI, mental stress, walking, sports, education, total energy, dietary intake of cholesterol/saturated and omega-3FA/vegetables/fruit	Qt5	g/d
113	de Goede 2010 20335635	Intake	No	age, gender, BMI, total energy intake, ethanol intake, cigarette smoking, social economic status, vitamin/mineral supplement use, use of drugs for hypertension/hypercholesterolemia, family history of CVD, SFA, fruit, and vegetables	Qt1	g/d
114	de Goede 2010 20335635	Intake	No	age, gender, BMI, total energy intake, ethanol intake, cigarette smoking, social economic status, vitamin/mineral supplement use, use of drugs for hypertension/hypercholesterolemia, family history of CVD, SFA, fruit, and vegetables	Qt2	g/d
115	de Goede 2010 20335635	Intake	No	age, gender, BMI, total energy intake, ethanol intake, cigarette smoking, social economic status, vitamin/mineral supplement use, use of drugs for hypertension/hypercholesterolemia, family history of CVD, SFA, fruit, and vegetables	Qt3	g/d
116	de Goede 2010 20335635	Intake	No	age, gender, BMI, total energy intake, ethanol intake, cigarette smoking, social economic status, vitamin/mineral supplement use, use of drugs for hypertension/hypercholesterolemia, family history of CVD, SFA, fruit, and vegetables	Qt4	g/d
117	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr1	nd
118	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr2	nd
119	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr3	nd
120	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr4	nd
121	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr1	nd
122	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr2	nd
123	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr3	nd
124	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr4	nd
125	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr1	nd
126	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr2	nd
126	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr3	nd
126	Koh_2013_24343844	Intake	No	age, sex, dialect, year of interview, educational level, body mass index, physical activity, smoking status, alcohol use, baseline history of self-reported diabetes, hypertension, coronary heart disease, stroke, intakes of total energy, protein, dietary fibre, saturated fat, monounsaturated fat, omega-6 fatty acids, and alternate omega-3 fatty acids (in the analysis of EPA/DHA or ALA)	Qr4	nd

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
110	Yamagishi 2008 18786479	1.47	nd	1.75	HR	78	11594	735904	0.98	0.69	1.4		
111	Yamagishi 2008 18786479	1.75	nd	2.11	HR	81	11595	735904	1	0.68	1.45		
112	Yamagishi 2008 18786479	2.11	nd	5.06	HR	99	11594	735904	0.95	0.62	1.43		
113	de Goede 2010 20335635	nd	40	<62	HR	24	5336	nd	Reference group			P trend	0.05
114	de Goede 2010 20335635	62	84	113	HR	18	5335	nd	0.68	0.36	1.25		
115	de Goede 2010 20335635	114	151	194	HR	20	5335	nd	0.65	0.36	1.19		
116	de Goede 2010 20335635	>194	234	nd	HR	20	5336	nd	0.51	0.27	0.94		
117	Koh_2013_24343844	nd	nd	nd	HR	726	15181		Ref			P trend	0.04
118	Koh_2013_24343844	nd	nd	nd	HR	678	15022		0.92	0.81	1.03		
119	Koh_2013_24343844	nd	nd	nd	HR	675	15023		0.92	0.8	1.03		
120	Koh_2013_24343844	nd	nd	nd	HR	618	15072		0.85	0.73	0.98		
121	Koh_2013_24343844	nd	nd	nd	HR	680	15181		Ref			P trend	0.02
122	Koh_2013_24343844	nd	nd	nd	HR	689	15022		0.99	0.88	1.1		
123	Koh_2013_24343844	nd	nd	nd	HR	700	15023		0.97	0.85	1.09		
124	Koh_2013_24343844	nd	nd	nd	HR	628	15072		0.86	0.74	0.99		
125	Koh_2013_24343844	nd	nd	nd	HR	730	15181		Ref			P trend	0.001
126	Koh_2013_24343844	nd	nd	nd	HR	733	15022		1.01	0.9	1.13		
126	Koh_2013_24343844	nd	nd	nd	HR	651	15023		0.9	0.79	1.01		
126	Koh_2013_24343844	nd	nd	nd	HR	583	15072		0.82	0.71	0.93		

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA
128	**Subgroup analyses**									
129	Vedtofte 2014 24964401	Pooling Project of Cohort Studies on Diet and Coronary Disease	CHD death	fatal CHD	Healthy	healthy 49 to 61 y	Women	560/148675 (0.38)	4-10 y	ALA
130	Vedtofte 2014 24964401	Pooling Project of Cohort Studies on Diet and Coronary Disease	CHD death	fatal CHD	Healthy	healthy 49 to 61 y	Men	1191/80368 (1.48)	4-10 y	ALA

Row	Study PMID	n3 measure	Supplement	Adjustments	Quantile	n3 units
128	**Subgroup analyses**					
129	Vedtofte 2014 24964401	Intake	NA (no ALA supplememt)	age at baseline, calendar year, smoking habits, BMI, physical activity, educational level, history of hypertension, alcohol intake, total energy intake (where alcohol is excluded), fiber intake, MUFA, SFA, trans-fatty acid, long-chain n-3 FA, and linoleic acid intake	All	g/d
130	Vedtofte 2014 24964401	Intake	NA (no ALA supplememt)	age at baseline, calendar year, smoking habits, BMI, physical activity, educational level, history of hypertension, alcohol intake, total energy intake (where alcohol is excluded), fiber intake, MUFA, SFA, trans-fatty acid, long-chain n-3 FA, and linoleic acid intake	All	g/d

Appendix F Observational results: death from coronary heart disease

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
128	**Subgroup analyses**												
129	Vedtofte 2014 24964401	nd	nd	nd	HR	nd	nd	nd	1.23	0.8	1.89	per g/d increase	
130	Vedtofte 2014 24964401	nd	nd	nd	HR	nd	nd	nd	0.77	0.58	1.01	per g/d increase	