

Observational results: hypertension

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure	Supplement
2	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy 39-89	All	13633/28100 (48.5)	12.9y	All n-3	Intake	no
3	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy 39-89	All	13633/28100 (48.5)	12.9y	All n-3	Intake	no
4	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy 39-89	All	13633/28100 (48.5)	12.9y	All n-3	Intake	no
5	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy 39-89	All	13633/28100 (48.5)	12.9y	All n-3	Intake	no
6	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy 39-89	All	13633/28100 (48.5)	12.9y	All n-3	Intake	no
7	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	All	516/1032 (50)	12.9y	All n-3	Erythrocyte PUFA	no
8	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	All	516/1032 (50)	12.9y	All n-3	Erythrocyte PUFA	no
9	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	All	516/1032 (50)	12.9y	All n-3	Erythrocyte PUFA	no
10	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	All	516/1032 (50)	12.9y	All n-3	Erythrocyte PUFA	no
11	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA+DHA+D PA	Intake	no
12	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA+DHA+D PA	Intake	no
13	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA+DHA+D PA	Intake	no
14	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA+DHA+D PA	Intake	no
15	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA	Intake	no
16	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA	Intake	no
17	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA	Intake	no
18	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	EPA	Intake	no

Observational results: hypertension

Row	Study PMID	Adjustments	Quantile	n3 units
2	Wang 2010 20713915	age (continuous), race (white or nonwhite), total energy intake (continuous), treatment (vitamin E, aspirin, ¹³ C-carotene, or placebo), smoking (never, former, or current), alcohol intake (continuous), physical activity (continuous), postmenopausal status (yes, no, or uncertain), postmenopausal hormone use (never, former, or current), dietary sodium, potassium, calcium, and fiber (all in quintiles), BMI (continuous), history of diabetes mellitus (yes or no), and history of hypercholesterolemia (yes or no).	Qt1	g/d
3	Wang 2010 20713915	age (continuous), race (white or nonwhite), total energy intake (continuous), treatment (vitamin E, aspirin, ¹³ C-carotene, or placebo), smoking (never, former, or current), alcohol intake (continuous), physical activity (continuous), postmenopausal status (yes, no, or uncertain), postmenopausal hormone use (never, former, or current), dietary sodium, potassium, calcium, and fiber (all in quintiles), BMI (continuous), history of diabetes mellitus (yes or no), and history of hypercholesterolemia (yes or no).	Qt2	g/d
4	Wang 2010 20713915	age (continuous), race (white or nonwhite), total energy intake (continuous), treatment (vitamin E, aspirin, ¹³ C-carotene, or placebo), smoking (never, former, or current), alcohol intake (continuous), physical activity (continuous), postmenopausal status (yes, no, or uncertain), postmenopausal hormone use (never, former, or current), dietary sodium, potassium, calcium, and fiber (all in quintiles), BMI (continuous), history of diabetes mellitus (yes or no), and history of hypercholesterolemia (yes or no).	Qt3	g/d
5	Wang 2010 20713915	age (continuous), race (white or nonwhite), total energy intake (continuous), treatment (vitamin E, aspirin, ¹³ C-carotene, or placebo), smoking (never, former, or current), alcohol intake (continuous), physical activity (continuous), postmenopausal status (yes, no, or uncertain), postmenopausal hormone use (never, former, or current), dietary sodium, potassium, calcium, and fiber (all in quintiles), BMI (continuous), history of diabetes mellitus (yes or no), and history of hypercholesterolemia (yes or no).	Qt4	g/d
6	Wang 2010 20713915	age (continuous), race (white or nonwhite), total energy intake (continuous), treatment (vitamin E, aspirin, ¹³ C-carotene, or placebo), smoking (never, former, or current), alcohol intake (continuous), physical activity (continuous), postmenopausal status (yes, no, or uncertain), postmenopausal hormone use (never, former, or current), dietary sodium, potassium, calcium, and fiber (all in quintiles), BMI (continuous), history of diabetes mellitus (yes or no), and history of hypercholesterolemia (yes or no).	Qt5	g/d
7	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr1	% FA
8	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr2	% FA
9	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr3	% FA
10	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr4	% FA
11	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr1	g/d
12	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr2	g/d
13	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr3	g/d
14	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr4	g/d
15	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr1	g/d
16	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr2	g/d
17	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr3	g/d
18	Xun 2011 21205024	age, gender, ethnicity (African American, Caucasian) and study center, body mass index (continuous), physical activity (quartiles), education (<12, 12, 13–15, 16, >16 years), smoking status (non, former and current smokers), alcohol consumption (0, 0.1–4.9, 5.0–9.9, 10.0–14.9, 15.0–29.9, = 30 ml/d), family history of hypertension (yes or no), and dietary intakes (quartiles) of total energy, sodium, a-linolenic acid and linolenic-acid	Qr4	g/d

Observational results: hypertension

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	Wang 2010 20713915	nd	7.34	nd	RR	2627	5632	nd	Reference group			P trend	0.53
3	Wang 2010 20713915	nd	9.09	nd	RR	2619	nd	nd	0.99	0.94	1.04		
4	Wang 2010 20713915	nd	10.4	nd	RR	2783	nd	nd	1	0.95	1.06		
5	Wang 2010 20713915	nd	12	nd	RR	2786	nd	nd	0.99	0.94	1.05		
6	Wang 2010 20713915	nd	14.5	nd	RR	2818	5609	nd	1.01	0.96	1.07		
7	Wang 2011 21734059	nd	4.7	nd	RR	nd	nd	nd	Reference group			P trend	0.19
8	Wang 2011 21734059	nd	5.7	nd	RR	nd	nd	nd	0.84	0.55	1.27		
9	Wang 2011 21734059	nd	6.4	nd	RR	nd	nd	nd	0.67	0.43	1.04		
10	Wang 2011 21734059	nd	7.8	nd	RR	nd	nd	nd	0.75	0.47	1.2		
11	Xun 2011 21205024	nd	nd	0.06	HR	247	1165	nd	Reference group			P trend	<0.01
12	Xun 2011 21205024	0.06	nd	0.113	HR	259	1085	nd	0.94	0.79	1.13		
13	Xun 2011 21205024	0.114	nd	0.2	HR	270	1125	nd	0.85	0.71	1.02		
14	Xun 2011 21205024	0.201	nd	nd	HR	223	1133	nd	0.65	0.53	0.79		
15	Xun 2011 21205024	nd	nd	0.06	HR	277	1278	nd	Reference group			P trend	0.02
16	Xun 2011 21205024	0.06	nd	0.113	HR	231	1001	nd	0.94	0.79	1.12		
17	Xun 2011 21205024	0.114	nd	0.2	HR	246	1059	nd	0.87	0.73	1.05		
18	Xun 2011 21205024	0.201	nd	nd	HR	245	1170	nd	0.8	0.66	0.96		

Observational results: hypertension

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure	Supplement
19	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	DHA	Intake	no
20	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	DHA	Intake	no
21	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	DHA	Intake	no
22	Xun 2011 21205024	CARDIA	HTN	incident HTN	Healthy	healthy	All: 18-30 y	999/4508 (22.1)	20 y	DHA	Intake	no
24	Subgroup analyses											
25	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	ALA	Intake	no
26	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	ALA	Intake	no
27	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	ALA	Intake	no
28	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	ALA	Intake	no
29	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	ALA	Intake	no
30	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	ALA	Intake	no
31	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	ALA	Intake	no
32	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	ALA	Intake	no
33	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	ALA	Intake	no
34	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	ALA	Intake	no
35	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	EPA	Intake	no
36	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	EPA	Intake	no

Appendix F
Observational results: hypertension

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
19	Xun 2011 21205024	nd	nd	0.06	HR	261	1134	nd	Reference group			P trend	<0.01
20	Xun 2011 21205024	0.06	nd	0.113	HR	241	1043	nd	0.72	0.6	0.86		
21	Xun 2011 21205024	0.114	nd	0.2	HR	292	1207	nd	0.71	0.59	0.84		
22	Xun 2011 21205024	0.201	nd	nd	HR	205	1124	nd	0.45	0.37	0.55		
24	Subgroup analyses												
25	Wang 2010 20713915	nd	7.34	nd	RR	nd	5632	nd	Reference group			P trend	0.2
26	Wang 2010 20713915	nd	9.09	nd	RR	nd	nd	nd	nd				
27	Wang 2010 20713915	nd	10.4	nd	RR	nd	nd	nd	nd				
28	Wang 2010 20713915	nd	12	nd	RR	nd	nd	nd	nd				
29	Wang 2010 20713915	nd	14.5	nd	RR	nd	5609	nd	1.08	1	1.16		
30	Wang 2010 20713915	nd	7.34	nd	RR	nd	5632	nd	Reference group			P trend	0.63
31	Wang 2010 20713915	nd	9.09	nd	RR	nd	nd	nd	nd				
32	Wang 2010 20713915	nd	10.4	nd	RR	nd	nd	nd	nd				
33	Wang 2010 20713915	nd	12	nd	RR	nd	nd	nd	nd				
34	Wang 2010 20713915	nd	14.5	nd	RR	nd	5609	nd	0.98	0.9	1.07		
35	Wang 2010 20713915	nd	7.34	nd	RR	nd	5632	nd	Reference group			P trend	0.43
36	Wang 2010 20713915	nd	9.09	nd	RR	nd	nd	nd	nd				

Observational results: hypertension

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure	Supplement
37	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	EPA	Intake	no
38	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	EPA	Intake	no
39	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	EPA	Intake	no
40	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	EPA	Intake	no
41	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	EPA	Intake	no
42	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	EPA	Intake	no
43	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	EPA	Intake	no
44	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	EPA	Intake	no
45	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	DHA	Intake	no
46	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	DHA	Intake	no
47	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	DHA	Intake	no
48	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	DHA	Intake	no
49	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 39-54	13633/28100 (48.5)	12.9	DHA	Intake	no
50	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	DHA	Intake	no
51	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	DHA	Intake	no
52	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	DHA	Intake	no
53	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	DHA	Intake	no

Appendix F
Observational results: hypertension

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
37	Wang 2010 20713915	nd	10.4	nd	RR	nd	nd	nd	nd				
38	Wang 2010 20713915	nd	12	nd	RR	nd	nd	nd	nd				
39	Wang 2010 20713915	nd	14.5	nd	RR	nd	5609	nd	1.05	0.98	1.13		
40	Wang 2010 20713915	nd	7.34	nd	RR	nd	5632	nd	Reference group			P trend	0.18
41	Wang 2010 20713915	nd	9.09	nd	RR	nd	nd	nd	nd				
42	Wang 2010 20713915	nd	10.4	nd	RR	nd	nd	nd	nd				
43	Wang 2010 20713915	nd	12	nd	RR	nd	nd	nd	nd				
44	Wang 2010 20713915	nd	14.5	nd	RR	nd	5609	nd	1.02	0.93	1.11		
45	Wang 2010 20713915	nd	7.34	nd	RR	nd	5632	nd	Reference group			P trend	0.05
46	Wang 2010 20713915	nd	9.09	nd	RR	nd	nd	nd	nd				
47	Wang 2010 20713915	nd	10.4	nd	RR	nd	nd	nd	nd				
48	Wang 2010 20713915	nd	12	nd	RR	nd	nd	nd	nd				
49	Wang 2010 20713915	nd	14.5	nd	RR	nd	5609	nd	1.08	1.01	1.16		
50	Wang 2010 20713915	nd	7.34	nd	RR	nd	5632	nd	Reference group			P trend	0.33
51	Wang 2010 20713915	nd	9.09	nd	RR	nd	nd	nd	nd				
52	Wang 2010 20713915	nd	10.4	nd	RR	nd	nd	nd	nd				
53	Wang 2010 20713915	nd	12	nd	RR	nd	nd	nd	nd				

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Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure	Supplement
54	Wang 2010 20713915	Women's Health Study	HTN	incident HTN	Healthy	healthy	age 55-89	13633/28100 (48.5)	12.9	DHA	Intake	no
55	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	177/356 (49.7)	12.9y	All n-3	Erythrocyte PUFA	no
56	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	All n-3	Erythrocyte PUFA	no
57	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	All n-3	Erythrocyte PUFA	no
58	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	All n-3	Erythrocyte PUFA	no
59	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	All n-3	Erythrocyte PUFA	no
60	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	All n-3	Erythrocyte PUFA	no
61	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	All n-3	Erythrocyte PUFA	no
62	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	All n-3	Erythrocyte PUFA	no
63	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	ALA	Erythrocyte PUFA	no
64	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	ALA	Erythrocyte PUFA	no
65	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	ALA	Erythrocyte PUFA	no
66	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	ALA	Erythrocyte PUFA	no
67	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	EPA	Erythrocyte PUFA	no
68	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	EPA	Erythrocyte PUFA	no
69	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	EPA	Erythrocyte PUFA	no
70	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	EPA	Erythrocyte PUFA	no

Appendix F
Observational results: hypertension

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
54	Wang 2010 20713915	nd	14.5	nd	RR	nd	5609	nd	1.06	0.97	1.15		
55	Wang 2011 21734059	nd	4.7	nd	RR	nd	nd	nd	Reference group			P trend	0.05
56	Wang 2011 21734059	nd	5.7	nd	RR	nd	nd	nd	0.71	0.42	1.2		
57	Wang 2011 21734059	nd	6.4	nd	RR	nd	nd	nd	0.47	0.26	0.85		
58	Wang 2011 21734059	nd	7.8	nd	RR	nd	nd	nd	0.59	0.32	1.06		
59	Wang 2011 21734059	nd	4.7	nd	RR	nd	nd	nd	Reference group			P trend	0.93
60	Wang 2011 21734059	nd	5.7	nd	RR	nd	nd	nd	1.16	0.49	2.73		
61	Wang 2011 21734059	nd	6.4	nd	RR	nd	nd	nd	1.05	0.47	2.36		
62	Wang 2011 21734059	nd	7.8	nd	RR	nd	nd	nd	1.07	0.43	2.66		
63	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
64	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	0.59	0.32	1.09	P trend	0.2
65	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
66	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	1.49	0.64	3.48	P trend	0.41
67	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
68	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	0.84	0.47	1.49	P trend	0.32
69	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
70	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	0.32	0.1	1.07	P trend	0.02

Observational results: hypertension

Row	Study PMID	Study Name	Outcome	Outcome Definition	Population Type	Population	Subgroup	Cases Total/N Total (Rate %)	Followup	n3 FA	n3 measure	Supplement
71	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	DPA	Erythrocyte PUFA	no
72	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	DPA	Erythrocyte PUFA	no
73	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	DPA	Erythrocyte PUFA	no
74	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	DPA	Erythrocyte PUFA	no
75	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	DHA	Erythrocyte PUFA	no
76	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 39-54	339/676 (50.1)	12.9y	DHA	Erythrocyte PUFA	no
77	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	DHA	Erythrocyte PUFA	no
78	Wang 2011 21734059	Women's Health Study	HTN	incident HTN	Healthy	Healthy	age 55-89	177/356 (49.7)	12.9y	DHA	Erythrocyte PUFA	no

Observational results: hypertension

Row	Study PMID	Adjustments	Quantile	n3 units
71	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr1	% FA
72	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr4	% FA
73	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr1	% FA
74	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr4	% FA
75	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr1	% FA
76	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr4	% FA
77	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr1	% FA
78	Wang 2011 21734059	age, race, total energy intake (continuous), smoking status (current, past, never), alcohol use (rarely/never, 10–45 g ethanol/mo, 10–90 g ethanol/wk, >13 g ethanol/d), exercise (rarely/never, 1, 1–3, \$4 times/wk), menopause status (premenopausal, postmenopausal, unknown), and postmenopausal hormone use (current, past, never), BMI (continuous), history of diabetes (yes, no), and history of hypercholesterolemia (yes, no).	Qr4	% FA

Appendix F
Observational results: hypertension

Row	Study PMID	Quantile low	Quantile median	Quantile high	Metric	n Cases	N quantile	Person Years	Estimate	CI low	CI high	Comparison	P value
71	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
72	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	0.5	0.29	0.85	P trend	0.02
73	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
74	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	0.82	0.33	2.06	P trend	0.66
75	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
76	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	0.57	0.31	1.04	P trend	0.03
77	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	Reference group				
78	Wang 2011 21734059	nd	nd	nd	RR	nd	nd	nd	1.23	0.46	3.26	P trend	0.9