

eTable 1 Different fried food groups in Women's Health Initiative

eTable 2 Sensitivity analysis of the association of total fried food consumption with all cause and cause specific mortality

eTable 3 Sensitivity analysis of the association of individual fried food consumption with all cause and cause specific mortality

eTable 4 Stratified analysis of the association of fried food consumption with all cause mortality

eTable 5 Stratified analysis of the association of fried food consumption with cardiovascular mortality

eTable 6 Stratified analysis of the association of fried food consumption with cancer mortality

eTable 1 Different fried food groups in Women’s Health Initiative

Fried food groups		Items on the FFQ	Screenshot of the FFQ	
Total fried foods	Fried chicken	Fried chicken	Fried chicken	
	Fried fish/shellfish	Fried fish, fish sandwich, and fried shellfish (shrimp and oysters)	Fried fish, fish sandwich, and fried shellfish (shrimp, oysters)	
	Other fried foods	French fries, fried potatoes, fried rice, fried cassava and fritters	French fries, fried potatoes, fried rice, fried cassava and fritters	French fries, fried potatoes, fried rice, fried cassava and fritters
			Snacks such as potato chips, corn chips, tortilla chips, pork skins, Ritz and cheese crackers	Snacks such as potato chips, corn chips, tortilla chips, pork skins, Ritz® and cheese crackers
		Fried plantains	Plantains, fried	
		Taco and tostada	Taco and tostada	
		Flauta and crispy rolled taco	Flauta and crispy rolled taco	
	Indian fried bread	Indian fry bread		

eTable 2 Sensitivity analysis of the association of total fried food consumption with all cause and cause specific mortality

Mortality	None	<1 serving/week	1-2 servings/week	3-6 servings/week	≥1 serving/day	P-trend
All cause mortality						
OS only	1.00(Ref)	1.01(0.97 to 1.05)	1.02(0.98 to 1.06)	1.03(0.98 to 1.09)	1.06(0.99 to 1.15)	0.06
Frying oil added	1.00(Ref)	1.02(0.99 to 1.06)	1.03(0.99 to 1.07)	1.04(0.99 to 1.08)	1.08(1.02 to 1.16)	0.02
<i>Trans</i> fat intake added	1.00(Ref)	1.01(0.98 to 1.05)	1.03(0.99 to 1.07)	1.03(0.99 to 1.08)	1.08(1.01 to 1.16)	0.03
Cardiovascular mortality						
OS only	1.00(Ref)	0.99(0.92 to 1.06)	1.01(0.94 to 1.09)	1.02(0.93 to 1.12)	1.09(0.95 to 1.24)	0.23
Frying oil added	1.00(Ref)	1.01(0.94 to 1.07)	1.04(0.97 to 1.11)	1.00(0.92 to 1.09)	1.08(0.96 to 1.22)	0.31
<i>Trans</i> fat intake added	1.00(Ref)	1.00(0.94 to 1.07)	1.04(0.97 to 1.11)	1.01(0.93 to 1.10)	1.11(0.98 to 1.25)	0.18
Cancer mortality						
OS only	1.00(Ref)	1.02(0.95 to 1.10)	1.00(0.93 to 1.09)	0.98(0.89 to 1.08)	0.90(0.78 to 1.04)	0.25
Frying oil added	1.00(Ref)	1.04(0.97 to 1.11)	1.02(0.95 to 1.10)	1.02(0.93 to 1.11)	0.95(0.83 to 1.08)	0.66
<i>Trans</i> fat intake added	1.00(Ref)	1.03(0.96 to 1.10)	1.02(0.95 to 1.09)	1.01(0.93 to 1.11)	0.95(0.83 to 1.09)	0.71

Results were based on multivariable model 2.

Abbreviations: OS, observational study.

eTable 3 Sensitivity analysis of the association of individual fried food consumption with all cause and cause specific mortality

Mortality	None	<2 servings/month	2-3 servings/month	≥1 serving/week	P-trend
All cause mortality					
Fried chicken					
OS only	1.00(Ref)	1.07(1.03 to 1.10)	1.13(1.08 to 1.18)	1.14(1.08 to 1.21)	<0.001
Frying oil added	1.00(Ref)	1.06(1.03 to 1.09)	1.12(1.07 to 1.16)	1.12(1.07 to 1.18)	<0.001
<i>Trans</i> fat intake added	1.00(Ref)	1.06(1.03 to 1.10)	1.12(1.08 to 1.17)	1.13(1.07 to 1.19)	<0.001
Fried fish/shellfish					
OS only	1.00(Ref)	0.96(0.93 to 0.99)	0.98(0.94 to 1.02)	1.06(1.01 to 1.12)	0.36
Frying oil added	1.00(Ref)	0.97(0.95 to 1.01)	1.00(0.96 to 1.03)	1.08(1.03 to 1.13)	0.04
<i>Trans</i> fat intake added	1.00(Ref)	0.97(0.94 to 0.99)	0.99(0.96 to 1.03)	1.08(1.03 to 1.12)	0.06
Other fried foods					
OS only	1.00(Ref)	1.02(0.98 to 1.06)	1.00(0.96 to 1.04)	0.98(0.94 to 1.02)	0.04
Frying oil added	1.00(Ref)	1.02(0.98 to 1.05)	0.99(0.95 to 1.03)	0.98(0.95 to 1.02)	0.08
<i>Trans</i> fat intake added	1.00(Ref)	1.01(0.98 to 1.05)	0.98(0.95 to 1.02)	0.98(0.95 to 1.02)	0.07
Cardiovascular mortality					
Fried chicken					
OS only	1.00(Ref)	1.08(1.02 to 1.15)	1.20(1.11 to 1.31)	1.16(1.04 to 1.29)	<0.001
Frying oil added	1.00(Ref)	1.08(1.02 to 1.14)	1.16(1.08 to 1.25)	1.11(1.01 to 1.22)	<0.001
<i>Trans</i> fat intake added	1.00(Ref)	1.08(1.02 to 1.14)	1.17(1.09 to 1.26)	1.13(1.03 to 1.25)	<0.001
Fried fish/shellfish					
OS only	1.00(Ref)	0.99(0.93 to 1.05)	0.97(0.90 to 1.05)	1.12(1.02 to 1.22)	0.17
Frying oil added	1.00(Ref)	1.01(0.96 to 1.06)	0.98(0.92 to 1.05)	1.14(1.05 to 1.23)	0.04
<i>Trans</i> fat intake added	1.00(Ref)	1.01(0.95 to 1.06)	0.98(0.92 to 1.05)	1.14(1.06 to 1.24)	0.03
Other fried foods					
OS only	1.00(Ref)	0.98(0.92 to 1.05)	0.95(0.88 to 1.02)	0.94(0.88 to 1.01)	0.05
Frying oil added	1.00(Ref)	0.99(0.93 to 1.06)	0.96(0.90 to 1.03)	0.96(0.90 to 1.02)	0.10
<i>Trans</i> fat intake added	1.00(Ref)	0.99(0.93 to 1.05)	0.96(0.90 to 1.03)	0.96(0.91 to 1.02)	0.15
Cancer mortality					
Fried chicken					
OS only	1.00(Ref)	1.02(0.96 to 1.09)	0.96(0.87 to 1.05)	1.01(0.90 to 1.14)	0.76
Frying oil added	1.00(Ref)	1.02(0.96 to 1.08)	0.98(0.91 to 1.07)	1.03(0.93 to 1.14)	0.85
<i>Trans</i> fat intake added	1.00(Ref)	1.02(0.96 to 1.08)	0.99(0.91 to 1.07)	1.04(0.94 to 1.15)	0.77
Fried fish/shellfish					
OS only	1.00(Ref)	0.89(0.84 to 0.95)	0.98(0.91 to 1.06)	1.01(0.92 to 1.11)	0.61
Frying oil added	1.00(Ref)	0.92(0.87 to 0.97)	0.99(0.93 to 1.07)	1.06(0.97 to 1.15)	0.64
<i>Trans</i> fat intake added	1.00(Ref)	0.92(0.87 to 0.97)	0.99(0.92 to 1.07)	1.06(0.97 to 1.15)	0.64
Other fried foods					
OS only	1.00(Ref)	1.09(1.02 to 1.18)	1.08(0.99 to 1.17)	1.04(0.96 to 1.11)	0.96
Frying oil added	1.00(Ref)	1.09(1.02 to 1.17)	1.06(0.98 to 1.14)	1.04(0.97 to 1.11)	0.88
<i>Trans</i> fat intake added	1.00(Ref)	1.09(1.02 to 1.17)	1.06(0.98 to 1.14)	1.04(0.97 to 1.11)	0.87

Results were based on multivariable model 2.

Abbreviations: OS, observational study.

eTable 4 Stratified analysis of the association of fried food consumption with all cause mortality

Fried food items	None	<1 serving/week	1-2 servings/week	3-6 servings/week	≥1 serving/day	P-trend	P-interaction
Total fried foods							
Age							
<65	1.00(Ref)	1.03(0.96 to 1.11)	0.99(0.92 to 1.08)	1.00(0.91 to 1.09)	1.10(0.98 to 1.24)	0.71	0.07
≥65	1.00(Ref)	1.01(0.97 to 1.05)	1.05(1.01 to 1.09)	1.05(0.99 to 1.10)	1.04(0.95 to 1.13)	0.03	
Smoking status							
Never smoked	1.00(Ref)	0.99(0.94 to 1.04)	0.99(0.94 to 1.04)	1.00(0.93 to 1.07)	1.16(1.05 to 1.28)	0.17	<0.001
Ever smoked	1.00(Ref)	1.05(0.99 to 1.10)	1.08(1.03 to 1.14)	1.09(1.02 to 1.16)	1.08(0.99 to 1.18)	0.004	
Unopposed estrogen use							
Never used	1.00(Ref)	1.03(0.99 to 1.08)	1.04(0.99 to 1.09)	1.07(1.01 to 1.13)	1.12(1.03 to 1.21)	0.01	0.13
Ever used	1.00(Ref)	0.98(0.92 to 1.04)	1.00(0.94 to 1.06)	0.97(0.90 to 1.05)	1.02(0.91 to 1.15)	0.99	
Estrogen+progesterone use							
Never used	1.00(Ref)	1.02(0.98 to 1.06)	1.04(1.01 to 1.09)	1.06(1.01 to 1.11)	1.12(1.04 to 1.20)	0.001	0.13
Ever used	1.00(Ref)	1.00(0.93 to 1.09)	1.00(0.93 to 1.09)	0.96(0.88 to 1.05)	0.93(0.84 to 1.04)	0.09	
Obesity							
No	1.00(Ref)	1.00(0.96 to 1.04)	1.02(0.97 to 1.06)	1.02(0.97 to 1.08)	1.06(0.97 to 1.16)	0.12	0.16
Yes	1.00(Ref)	1.05(0.97 to 1.13)	1.02(0.95 to 1.10)	1.01(0.93 to 1.10)	1.07(0.96 to 1.20)	0.81	
	None	<2 servings/month	2-3 servings/month	≥1 serving/week	P-trend	P-interaction	
Fried chicken							
Age							
<65	1.00(Ref)	1.11(1.05 to 1.18)	1.09(1.01 to 1.18)	1.15(1.05 to 1.26)	<0.001	<0.001	
≥65	1.00(Ref)	1.04(1.01 to 1.08)	1.13(1.08 to 1.19)	1.10(1.03 to 1.17)	<0.001		
Smoking status							
Never smoked	1.00(Ref)	1.09(1.04 to 1.13)	1.11(1.05 to 1.18)	1.17(1.08 to 1.26)	<0.001	0.02	
Ever smoked	1.00(Ref)	1.07(1.02 to 1.11)	1.15(1.09 to 1.22)	1.13(1.05 to 1.22)	<0.001		
Unopposed estrogen use							
Never used	1.00(Ref)	1.07(1.03 to 1.12)	1.10(1.04 to 1.15)	1.12(1.05 to 1.19)	<0.001	0.13	
Ever used	1.00(Ref)	1.04(0.99 to 1.10)	1.16(1.08 to 1.24)	1.14(1.05 to 1.25)	<0.001		
Estrogen+progesterone use							
Never used	1.00(Ref)	1.06(1.03 to 1.10)	1.12(1.07 to 1.17)	1.12(1.06 to 1.18)	<0.001	0.74	
Ever used	1.00(Ref)	1.08(1.01 to 1.16)	1.10(0.99 to 1.21)	1.18(1.02 to 1.36)	0.01		
Obesity							
No	1.00(Ref)	1.05(1.01 to 1.09)	1.11(1.06 to 1.17)	1.14(1.06 to 1.22)	<0.001	0.21	
Yes	1.00(Ref)	1.08(1.02 to 1.14)	1.11(1.04 to 1.19)	1.08(0.99 to 1.18)	0.003		

Fried fish/shellfish						
Age						
<65	1.00(Ref)	0.98(0.93 to 1.04)	0.99(0.93 to 1.06)	1.13(1.05 to 1.23)	0.03	<0.001
≥65	1.00(Ref)	0.97(0.94 to 1.01)	0.99(0.95 to 1.04)	1.05(0.99 to 1.11)	0.39	
Smoking status						
Never smoked	1.00(Ref)	0.96(0.92 to 1.01)	0.99(0.93 to 1.04)	1.04(0.98 to 1.11)	0.61	0.14
Ever smoked	1.00(Ref)	0.98(0.95 to 1.03)	1.00(0.95 to 1.05)	1.10(1.03 to 1.17)	0.04	
Unopposed estrogen use						
Never used	1.00(Ref)	0.99(0.95 to 1.03)	0.98(0.94 to 1.03)	1.09(1.03 to 1.15)	0.07	0.01
Ever used	1.00(Ref)	0.94(0.90 to 0.99)	1.01(0.95 to 1.07)	1.04(0.97 to 1.12)	0.59	
Estrogen+progesterone use						
Never used	1.00(Ref)	0.97(0.94 to 0.99)	0.99(0.95 to 1.03)	1.09(1.04 to 1.14)	0.04	0.45
Ever used	1.00(Ref)	0.98(0.92 to 1.05)	1.00(0.92 to 1.10)	0.99(0.88 to 1.11)	0.89	
Obesity						
No	1.00(Ref)	0.98(0.94 to 1.01)	1.00(0.96 to 1.05)	1.03(0.97 to 1.09)	0.58	0.06
Yes	1.00(Ref)	0.95(0.90 to 1.01)	0.96(0.90 to 1.02)	1.12(1.04 to 1.21)	0.08	

Results were based on multivariable model 2.

eTable 5 Stratified analysis of the association of fried food consumption with cardiovascular mortality

Fried food items	None	<1 serving/week	1-2 servings/week	3-6 servings/week	≥1 serving/day	<i>P</i>-trend	<i>P</i>-interaction
Total fried foods							
Age							
<65	1.00(Ref)	0.98(0.83 to 1.16)	0.96(0.81 to 1.14)	0.97(0.80 to 1.18)	1.03(0.81 to 1.31)	0.99	0.09
≥65	1.00(Ref)	1.01(0.94 to 1.08)	1.05(0.98 to 1.13)	1.00(0.91 to 1.10)	1.05(0.90 to 1.21)	0.37	
	None	<2 servings/month	2-3 servings/month	≥1 serving/week	<i>P</i>-trend	<i>P</i>-interaction	
Fried chicken							
Age							
<65	1.00(Ref)	1.16(1.02 to 1.31)	1.17(0.99 to 1.36)	1.21(1.01 to 1.45)	0.01	<0.001	
≥65	1.00(Ref)	1.06(0.99 to 1.13)	1.17(1.07 to 1.27)	1.05(0.94 to 1.17)	0.01		
Fried fish/shellfish							
Age							
<65	1.00(Ref)	1.09(0.96 to 1.23)	1.07(0.92 to 1.23)	1.29(1.10 to 1.52)	0.01	<0.001	
≥65	1.00(Ref)	0.99(0.93 to 1.05)	0.96(0.89 to 1.04)	1.09(0.99 to 1.19)	0.44		

Results were based on multivariable model 2.

eTable 6 Stratified analysis of the association of fried food consumption with cancer mortality

Fried food items	None	<1 serving/week	1-2 servings/week	3-6 servings/week	≥1 serving/day	P-trend	P-interaction
Total fried foods							
Estrogen+progesterone use							
Never used	1.00(Ref)	1.00(0.93 to 1.09)	1.01(0.93 to 1.09)	1.01(0.91 to 1.11)	0.97(0.84 to 1.12)	0.93	0.65
Ever used	1.00(Ref)	1.11(0.96 to 1.28)	1.04(0.89 to 1.22)	1.01(0.83 to 1.22)	0.85(0.62 to 1.15)	0.33	
Obesity							
No	1.00(Ref)	1.02(0.95 to 1.10)	0.99(0.91 to 1.07)	1.00(0.90 to 1.11)	0.92(0.78 to 1.09)	0.40	0.84
Yes	1.00(Ref)	1.05(0.91 to 1.22)	1.06(0.91 to 1.23)	1.01(0.85 to 1.20)	1.01(0.85 to 1.20)	0.70	
	None	<2 servings/month	2-3 servings/month	≥1 serving/week	P-trend	P-interaction	
Fried chicken							
Estrogen+progesterone use							
Never used	1.00(Ref)	1.02(0.95 to 1.08)	0.97(0.89 to 1.07)	1.03(0.92 to 1.15)	0.98	0.99	
Ever used	1.00(Ref)	1.01(0.89 to 1.15)	1.03(0.86 to 1.24)	1.04(0.80 to 1.35)	0.73		
Obesity							
No	1.00(Ref)	1.01(0.95 to 1.09)	0.97(0.88 to 1.08)	1.08(0.95 to 1.23)	0.65	0.17	
Yes	1.00(Ref)	0.99(0.89 to 1.10)	0.98(0.86 to 1.12)	0.94(0.80 to 1.11)	0.47		
Fried fish/shellfish							
Estrogen+progesterone use							
Never used	1.00(Ref)	0.90(0.85 to 0.96)	0.99(0.92 to 1.07)	1.09(0.99 to 1.20)	0.36	0.16	
Ever used	1.00(Ref)	0.97(0.86 to 1.10)	0.98(0.84 to 1.15)	0.87(0.70 to 1.08)	0.32		
Obesity							
No	1.00(Ref)	0.94(0.88 to 1.01)	0.98(0.90 to 1.07)	1.00(0.90 to 1.12)	0.68	0.23	
Yes	1.00(Ref)	0.87(0.78 to 0.97)	0.97(0.86 to 1.10)	1.11(0.97 to 1.28)	0.40		

Results were based on multivariable model 2.