

Supplemental Exhibits

Table S1. Model inputs.

Inputs	Source
Adult population by age/sex	2014 American Community Survey (ACS)
Adult pop. fraction by SNAP category	2014 Current Population Survey
Current food consumption	2003-2012 National Health and Nutrition Examination Survey (NHANES)
Mortality per 100k adults by disease	Adjusted mortality rates from 2000-2009 National Health Interview Survey (NHIS) linked with 2000-2011 National Vital Statistics System
Price effects on consumption	2017 systematic review and meta-analysis ¹⁵ and (for the SNAP-targeted interventions) randomized control trial ²²⁻²³
Price effect gradient with respect to inc.	2013 systematic review and meta-regression ³⁵
Relative risks for CMD from food intake	2017 systematic review and meta-analysis ^{30,36}

Table S2. Assumptions about own-price elasticity (percent change in intake per percent change in price) for food and beverage intake.

	Percent change in intake per percent change in price (95% CI)*		
	SNAP participants	Eligible	SNAP non-participants Ineligible
National intervention			
Fruits (g/d)	-1.54 (-1.84,-1.24)	-1.54 (-1.84,-1.24)	-1.31 (-1.61,-1.01)
Vegetables (g/d)	-1.54 (-1.84,-1.24)	-1.54 (-1.84,-1.24)	-1.31 (-1.61,-1.01)
Nuts (g/d)	-1.54 (-1.84,-1.24)	-1.54 (-1.84,-1.24)	-1.31 (-1.61,-1.01)
Whole grains (g/d)	-1.54 (-1.84,-1.24)	-1.54 (-1.84,-1.24)	-1.31 (-1.61,-1.01)
SSBs (g/d)	-0.73 (-1.09,-0.37)	-0.73 (-1.09,-0.37)	-0.62 (-0.98,-0.26)
Processed meat (g/d)	-0.96 (-1.24,-0.68)	-0.96 (-1.24,-0.68)	-0.81 (-1.09,-0.53)
SNAP targeted intervention			
Fruits (g/d)	-0.87 (-1.17,-0.57)		
Vegetables (g/d)	-0.87 (-1.17,-0.57)		
Nuts (g/d)	-0.87 (-1.17,-0.57)		
Whole grains (g/d)	-0.87 (-1.17,-0.57)		

*Effects of national price changes were derived from a meta-analysis of longitudinal and interventional studies¹¹ The higher price-responsiveness among lower income groups was based on a 2013 meta-regression by Green et al.²³ The price-responsiveness for the SNAP targeted intervention was based on the Healthy Incentives Pilot in Hampden County, MA.^{11b}

Table S3. Distribution of population by age/sex and SNAP category.

Age	Sex	SNAP participation and eligibility status	Adult pop. by age/sex	Adult pop. as % of age/sex group pop.	Adult pop. by age, sex, and SNAP participation and eligibility
25-34	Male	Participant	21964614	11.4	2495793
		Eligible, non-participant		10.3	2260846
		Not eligible		78.3	17207975
35-44		Participant	20238823	10.1	2043437
		Eligible, non-participant		8.5	1719764
		Not eligible		81.4	16475624
45-54		Participant	21337054	8.2	1741483
		Eligible, non-participant		7.7	1651972
		Not eligible		84.1	17943598
55-64		Participant	19297483	7.6	1458982
		Eligible, non-participant		8.6	1668624
		Not eligible		83.8	16169876
65-74		Participant	12394318	5.4	674612
		Eligible, non-participant		7.2	895101
		Not eligible		87.3	10824999
75+		Participant	7844505	4.9	384002
		Eligible, non-participant		9.4	739097
		Not eligible		85.7	6721406
25-34	Female	Participant	21379638	17.3	3693356
		Eligible, non-participant		11.2	2383875
		Not eligible		71.6	15302410
35-44		Participant	20569803	12.9	2654525
		Eligible, non-participant		9.5	1961514
		Not eligible		77.6	15953762
45-54		Participant	22027506	10.1	2217725
		Eligible, non-participant		8.2	1796927
		Not eligible		81.8	18012852
55-64		Participant	20731770	9.4	1941518
		Eligible, non-participant		9.9	2050015
		Not eligible		80.7	16740239
65-74		Participant	14091125	8.2	1149699
		Eligible, non-participant		9.9	1399421
		Not eligible		81.9	11542005
75+		Participant	11823588	8.5	1009576
		Eligible, non-participant		18.2	2150168
		Not eligible		73.3	8663845

Table S4. Relative risks (RR) of mortality for 1-serving/day increases in consumption of specific food and beverage items.

Category	Age	Diabetes		CHD		Hemorrhagic stroke		Ischemic stroke	
		RR	(UI)	RR	(UI)	RR	(UI)	RR	(UI)
Direct effects									
Fruit per each 100g/d	25-34			0.92 (0.87,0.97)		0.63 (0.49,0.81)		0.83 (0.76,0.90)	
	35-44			0.92 (0.87,0.97)		0.64 (0.50,0.82)		0.83 (0.77,0.90)	
	45-54			0.93 (0.89,0.97)		0.68 (0.56,0.84)		0.86 (0.80,0.92)	
	55-64			0.94 (0.91,0.98)		0.73 (0.61,0.87)		0.88 (0.83,0.93)	
	65-74			0.95 (0.92,0.98)		0.77 (0.67,0.89)		0.90 (0.86,0.94)	
	75+			0.97 (0.96,0.99)		0.86 (0.80,0.92)		0.94 (0.92,0.96)	
	Nuts per each 4.05g/d	25-34	0.95 (0.92,0.98)		0.89 (0.85,0.93)				
	35-44	0.95 (0.93,0.98)		0.89 (0.85,0.93)					
	45-54	0.96 (0.94,0.98)		0.91 (0.87,0.94)					
	55-64	0.97 (0.95,0.98)		0.92 (0.89,0.95)					
	65-74	0.97 (0.96,0.99)		0.93 (0.91,0.96)					
	75+	0.98 (0.98,0.99)		0.96 (0.95,0.97)					
Vegetable per each 100g/d	25-34			0.93 (0.89,0.97)		0.76 (0.61,0.95)		0.76 (0.64,0.90)	
	35-44			0.93 (0.90,0.97)		0.77 (0.62,0.95)		0.77 (0.66,0.90)	
	45-54			0.94 (0.91,0.97)		0.80 (0.67,0.96)		0.80 (0.70,0.92)	
	55-64			0.95 (0.93,0.98)		0.83 (0.72,0.96)		0.83 (0.74,0.93)	
	65-74			0.96 (0.94,0.98)		0.86 (0.76,0.97)		0.86 (0.78,0.94)	
	75+			0.98 (0.97,0.99)		0.92 (0.86,0.97)		0.92 (0.87,0.96)	
	Whole grains per each 50g/d	25-34	0.83 (0.76,0.90)		0.95 (0.91,0.99)		0.87 (0.80,0.96)		0.87 (0.80,0.96)
	35-44	0.83 (0.77,0.90)		0.95 (0.92,0.99)		0.88 (0.81,0.96)		0.88 (0.81,0.96)	
	45-54	0.86 (0.80,0.92)		0.96 (0.93,0.99)		0.90 (0.83,0.97)		0.90 (0.83,0.97)	
	55-64	0.88 (0.83,0.93)		0.97 (0.94,0.99)		0.91 (0.86,0.97)		0.91 (0.86,0.97)	
	65-74	0.90 (0.86,0.94)		0.97 (0.95,0.99)		0.93 (0.88,0.98)		0.93 (0.88,0.98)	
	75+	0.94 (0.92,0.96)		0.98 (0.97,0.99)		0.96 (0.93,0.98)		0.96 (0.93,0.98)	
Processe d meat	25-34	1.84 (1.38,2.46)		1.59 (1.17,2.18)					
	35-44	1.79 (1.36,2.37)		1.56 (1.16,2.11)					

per each	45-54	1.64 (1.30,2.08)	1.46 (1.14,1.88)		
100g/d	55-64	1.51 (1.24,1.83)	1.37 (1.11,1.69)		
	65-74	1.41 (1.20,1.65)	1.30 (1.09,1.54)		
	75+	1.22 (1.12,1.32)	1.16 (1.07,1.27)		
SSB	25-34	1.34 (1.14,1.59)	1.32 (1.19,1.47)		
per each	35-44	1.33 (1.13,1.56)	1.31 (1.18,1.45)		
8oz serv/d	45-54	1.27 (1.11,1.46)	1.26 (1.15,1.37)		
	55-64	1.22 (1.09,1.36)	1.21 (1.13,1.30)		
	65-74	1.18 (1.07,1.29)	1.17 (1.10,1.24)		
	75+	1.10 (1.05,1.15)	1.09 (1.06,1.13)		
Effects mediated by BMI:**					
SSB	25-34	3.55 (2.41,5.23)	1.79 (1.56,2.06)	3.04 (2.24,4.11)	2.09 (1.81,2.40)
per each	35-44	3.07 (2.28,4.15)	1.66 (1.51,1.84)	2.54 (1.96,3.28)	1.86 (1.67,2.08)
8oz serv/d	45-54	2.66 (2.15,3.30)	1.55 (1.46,1.64)	2.10 (1.66,2.66)	1.67 (1.53,1.81)
	55-64	2.32 (2.04,2.63)	1.44 (1.40,1.48)	1.75 (1.44,2.13)	1.50 (1.40,1.60)
	65-74	2.03 (1.95,2.11)	1.35 (1.32,1.38)	1.48 (1.29,1.71)	1.35 (1.28,1.41)
	75+	1.52 (1.40,1.65)	1.19 (1.13,1.25)	1.13 (1.03,1.23)	1.11 (1.06,1.15)

**For SSB effects, mediated effects show additional relative risk per one kg/m² increase in BMI for each 8oz serv/d.

Table S5. Change in intake for larger subsidies and taxes.*

	Change in intake for 30% subsidy (+) or tax (-)		
	SNAP participants	SNAP non-participants	
		Eligible	Ineligible
Subsidized foods			
fruit (g/d)	35.1 (31.9,37.9)	45.3 (42,48)	44.8 (42.8,46.8)
vegetables (g/d)	64.7 (61.9,67.5)	79 (74.4,83.2)	73.1 (71.1,74.7)
nuts (g/d)	2.59 (2.22,2.96)	2.96 (2.49,3.37)	4.28 (4.05,4.52)
whole grains (g/d)	6.24 (5.59,6.88)	7.3 (6.65,7.99)	7.66 (7.35,7.94)
Taxed foods			
SSB (g/d)	-113 (-104,-122)	-90 (-84,-97)	-54 (-52,-57)
processed meat (g/d)	-9.4 (-8.7,-10)	-8.2 (-7.6,-8.7)	-7.6 (-7.3,-7.9)
	Change in intake for 10% subsidy (+) and a 30% SNAP healthy incentive†		
	SNAP participants		
Subsidized foods			
fruit (g/d)	34.6 (31.4,37.3)		
vegetables (g/d)	63.7 (61,66.5)		
nuts (g/d)	2.55 (2.18,2.91)		
whole grains (g/d)	6.15 (5.51,6.78)		

*See Table 2 for 10% subsidy and tax. See Table S2 for underlying elasticity assumptions. †In the SNAP healthy incentive, the participant receives the 30% incentive for healthy purchases with the SNAP EBT card in addition to the 10% national subsidy.

Table S6. Total cardiometabolic disease (CMD) deaths averted (as % of total CMD deaths) for six policy interventions.*

	SNAP participants	SNAP non-participants	
		Eligible	Ineligible
CMD: Baseline			
CMD deaths/y per 100k adults	415	584	319
Prevented deaths as % of total CMD deaths (95% UI)			
1a. (10/0/0)	2.6 (2.4,2.8)	2.7 (2.4,3.0)	2.6 (2.4,2.8)
1b. (10/10/0)	5.9 (5.4,7.4)	4.8 (4.4,5.2)	4.1 (3.8,4.5)
2a. (30/0/0)	7.1 (6.5,7.7)	7.4 (6.7,8.1)	7.0 (6.4,7.6)
2b. (30/30/0)	15.9 (14.6,17.9)	13 (12,14.1)	11.3 (10.5,12.2)
3a. (10/0/30)	7.0 (6.4,7.7)	2.7 (2.4,3.0)	2.6 (2.4,2.8)
3b. (10/10/30)	10.2 (9.5,11.6)	4.8 (4.4,5.2)	4.1 (3.8,4.5)

*Supporting data for Figure 1 (A). Disaggregated results by disease are in Table 3. Six subsidy and tax policy interventions defined in Table 1: (1a) 10% subsidy, (1b) 10% subsidy and 10% tax, (2a) 30% subsidy, (2b) 30% subsidy and 30% tax, (3a) 10% subsidy and additional 30% subsidy for SNAP purchases, (3b) 10% subsidy, 10% tax, and additional 30% subsidy for SNAP purchases.

Table S7. All cardiometabolic disease (CMD) deaths averted (per 100k population) for six policy interventions.*

	SNAP participants	SNAP non-participants	
		Eligible	Ineligible
CMD: Baseline			
CMD deaths/y per 100k adults	415	584	319
Prevented deaths/y per 100k adults (95% UI)			
1a. (10/0/0)	10.7 (9.8,11.7)	15.7 (14.3,17.3)	8.2 (7.5,8.9)
1b. (10/10/0)	24.7 (22.5,30.6)	27.9 (25.5,30.5)	13.2 (12.2,14.3)
2a. (30/0/0)	29.4 (27.1,32.0)	43.0 (39.2,47.2)	22.2 (20.5,24.1)
2b. (30/30/0)	66.0 (60.6,74.4)	75.8 (69.8,82.3)	36.1 (33.4,38.8)
3a. (10/0/30)	29.1 (26.7,32.1)	15.7 (14.3,17.3)	8.2 (7.5,8.9)
3b. (10/10/30)	42.4 (39.4,48.3)	27.9 (25.5,30.5)	13.2 (12.2,14.3)

*Supporting data for Figure 1 (B). Disaggregated results by disease are in Table 4. Six subsidy and tax policy interventions defined in Table 1: (1a) 10% subsidy, (1b) 10% subsidy and 10% tax, (2a) 30% subsidy, (2b) 30% subsidy and 30% tax, (3a) 10% subsidy and additional 30% subsidy for SNAP purchases, (3b) 10% subsidy, 10% tax, and additional 30% subsidy for SNAP purchases.

Table S8. All cardiometabolic disease (CMD) deaths averted (in total) for six food price subsidy and tax interventions.*

	SNAP participants	SNAP non-participants	
		Eligible	Ineligible
U.S. adult population in 2014 (1000s)	21465	20677	171559
CHD			
Prevented deaths/y (95% UI)			
1a. (10/0/0)	1176 (1033,1329)	1642 (1436,1861)	7105 (6314,7972)
1b. (10/10/0)	2265 (1968,2809)	2579 (2268,2933)	9688 (8607,10819)
2a. (30/0/0)	3248 (2865,3665)	4499 (3944,5091)	19244 (17187,21514)
2b. (30/30/0)	6145 (5409,7284)	7044 (6245,7950)	26408 (23585,29338)
3a. (10/0/30)	3221 (2820,3661)	1642 (1436,1861)	7105 (6314,7972)
3b. (10/10/30)	4280 (3796,4972)	2579 (2268,2933)	9688 (8607,10819)
Stroke			
Prevented deaths/y (95% UI)			
1a. (10/0/0)	955 (833,1077)	1438 (1213,1657)	6175 (5327,6980)
1b. (10/10/0)	978 (856,1099)	1460 (1236,1681)	6231 (5378,7031)
2a. (30/0/0)	2584 (2274,2893)	3891 (3293,4460)	16575 (14359,18659)
2b. (30/30/0)	2648 (2337,2959)	3950 (3362,4512)	16731 (14498,18806)
3a. (10/0/30)	2554 (2234,2898)	1438 (1213,1657)	6175 (5327,6980)
3b. (10/10/30)	2575 (2256,2920)	1460 (1236,1681)	6231 (5378,7031)
Diabetes			
Prevented deaths/y (95% UI)			
1a. (10/0/0)	161 (135,192)	165 (140,194)	790 (680,904)
1b. (10/10/0)	1106 (932,1460)	831 (718,996)	3129 (2768,3580)
2a. (30/0/0)	458 (384,546)	470 (399,552)	2231 (1923,2553)
2b. (30/30/0)	2967 (2549,3680)	2293 (1997,2654)	8793 (7832,9994)
3a. (10/0/30)	454 (373,556)	165 (140,194)	790 (680,904)
3b. (10/10/30)	1387 (1195,1754)	831 (718,996)	3129 (2768,3580)

CMD

Prevented deaths/y
adults (95% UI)

1a. (10/0/0)	2293 (2111,2506)	3251 (2953,3582)	14075 (12933,15290)
1b. (10/10/0)	5292 (4822,6572)	5766 (5279,6301)	22670 (20966,24468)
2a. (30/0/0)	6313 (5821,6878)	8887 (8097,9751)	38159 (35171,41377)
2b. (30/30/0)	14165 (13017,15967)	15673 (14442,17027)	61853 (57292,66577)
3a. (10/0/30)	6247 (5729,6895)	3251 (2953,3582)	14075 (12933,15290)
3b. (10/10/30)	9110 (8449,10362)	5766 (5279,6301)	22670 (20966,24468)

*See Table 4 and Table S7 for corresponding results per 100k adults.

Table S9. All cardiometabolic disease (CMD) deaths averted (per 100,000 adults) for six food price subsidy and tax interventions, disaggregated by age and sex.*

			SNAP participants	SNAP non-participants	
				Eligible	Ineligible
Adults (1000s)			21465	20677	171559
Age	S x	S C E E N	Attrib. deaths per 100k adults (95% UI)		
25-34	M	1a	0.53 (0.41,0.67)	0.38 (0.28,0.50)	0.28 (0.21,0.35)
25-34	M	1b	1.90 (1.39,2.64)	1.46 (1.06,1.95)	0.63 (0.47,0.82)
25-34	M	2a	1.47 (1.13,1.82)	1.05 (0.79,1.34)	0.76 (0.57,0.92)
25-34	M	2b	4.66 (3.61,5.89)	3.62 (2.77,4.57)	1.60 (1.25,1.98)
25-34	M	3a	1.47 (1.10,1.84)	0.38 (0.28,0.50)	0.28 (0.21,0.35)
25-34	M	3b	2.74 (2.13,3.46)	1.46 (1.06,1.95)	0.63 (0.47,0.82)
25-34	F	1a	0.15 (0.11,0.18)	0.34 (0.26,0.42)	0.20 (0.14,0.26)
25-34	F	1b	0.66 (0.46,1.00)	1.36 (0.88,3.22)	0.35 (0.27,0.49)
25-34	F	2a	0.40 (0.30,0.49)	0.91 (0.70,1.09)	0.54 (0.38,0.67)
25-34	F	2b	1.64 (1.23,2.25)	3.26 (2.28,5.47)	0.91 (0.72,1.17)
25-34	F	3a	0.40 (0.30,0.50)	0.34 (0.26,0.42)	0.20 (0.14,0.26)
25-34	F	3b	0.88 (0.69,1.21)	1.36 (0.88,3.22)	0.35 (0.27,0.49)
35-44	M	1a	4.06 (3.16,5.04)	1.69 (1.23,2.19)	1.29 (1.01,1.59)
35-44	M	1b	13.17 (9.74,17.77)	5.76 (4.22,7.59)	3.40 (2.46,4.74)
35-44	M	2a	11.32 (8.89,13.85)	4.58 (3.37,5.80)	3.45 (2.73,4.22)
35-44	M	2b	32.82 (25.60,41.17)	14.74 (11.24,18.51)	8.57 (6.47,11.01)
35-44	M	3a	11.20 (8.59,14.25)	1.69 (1.23,2.19)	1.29 (1.01,1.59)
35-44	M	3b	19.65 (15.62,24.15)	5.76 (4.22,7.59)	3.40 (2.46,4.74)
35-44	F	1a	1.45 (1.09,1.82)	1.16 (0.84,1.47)	0.71 (0.51,0.91)
35-44	F	1b	5.33 (3.62,9.39)	3.93 (2.68,6.71)	1.30 (0.97,1.90)
35-44	F	2a	3.95 (3.00,4.87)	3.16 (2.32,3.95)	1.89 (1.37,2.35)
35-44	F	2b	13.10 (9.50,18.94)	9.60 (7.04,13.73)	3.31 (2.58,4.36)
35-44	F	3a	3.90 (2.92,4.89)	1.16 (0.84,1.47)	0.71 (0.51,0.91)
35-44	F	3b	7.57 (5.73,11.61)	3.93 (2.68,6.71)	1.30 (0.97,1.90)
45-54	M	1a	13.42 (10.09,16.89)	6.99 (5.20,9.11)	3.50 (2.75,4.41)

45-54	M	1b	38.54 (29.32,50.41)	18.43 (14.25,23.77)	8.07 (6.21,10.34)
45-54	M	2a	37.36 (28.37,46.57)	18.45 (13.92,23.38)	9.28 (7.30,11.50)
45-54	M	2b	100.31 (79.13,125.99)	47.55 (37.66,59.63)	21.20 (16.59,26.44)
45-54	M	3a	36.91 (27.44,47.13)	6.99 (5.20,9.11)	3.50 (2.75,4.41)
45-54	M	3b	60.73 (47.97,74.50)	18.43 (14.25,23.77)	8.07 (6.21,10.34)
45-54	F	1a	8.51 (6.54,10.92)	4.90 (3.73,6.23)	1.78 (1.40,2.20)
45-54	F	1b	17.14 (13.82,21.14)	10.44 (8.32,13.49)	2.79 (2.31,3.34)
45-54	F	2a	23.14 (17.95,29.08)	13.22 (10.32,16.41)	4.60 (3.67,5.61)
45-54	F	2b	45.08 (37.18,53.87)	26.96 (22.16,33.29)	7.20 (6.05,8.49)
45-54	F	3a	22.92 (17.41,29.40)	4.90 (3.73,6.23)	1.78 (1.40,2.20)
45-54	F	3b	30.92 (24.97,37.61)	10.44 (8.32,13.49)	2.79 (2.31,3.34)
55-64	M	1a	18.57 (13.83,23.56)	24.81 (18.47,30.86)	8.07 (6.12,9.74)
55-64	M	1b	63.89 (45.71,86.60)	59.43 (44.83,77.42)	15.90 (12.30,19.84)
55-64	M	2a	50.79 (38.06,63.77)	66.62 (50.09,81.68)	21.58 (16.56,25.79)
55-64	M	2b	166.83 (122.96,216.16)	156.32 (120.41,197.83)	42.48 (33.15,52.12)
55-64	M	3a	50.26 (37.21,64.59)	24.81 (18.47,30.86)	8.07 (6.12,9.74)
55-64	M	3b	93.42 (71.55,119.90)	59.43 (44.83,77.42)	15.90 (12.30,19.84)
55-64	F	1a	6.88 (4.83,9.01)	12.80 (9.69,16.08)	4.66 (3.55,5.69)
55-64	F	1b	14.75 (10.63,19.30)	19.11 (15.00,23.89)	7.35 (6.03,8.90)
55-64	F	2a	18.95 (13.40,24.47)	33.20 (25.48,40.74)	12.29 (9.50,14.83)
55-64	F	2b	40.2 (29.53,51.61)	49.25 (39.46,59.73)	19.47 (16.17,23.27)
55-64	F	3a	18.71 (12.94,24.77)	12.80 (9.69,16.08)	4.66 (3.55,5.69)
55-64	F	3b	26.27 (19.56,33.28)	19.11 (15.00,23.89)	7.35 (6.03,8.90)
65-74	M	1a	42.63 (31.69,55.34)	30.85 (23.41,39.28)	20.29 (15.73,25.08)
65-74	M	1b	97.37 (71.25,130.97)	64.60 (48.92,84.17)	35.23 (27.29,43.57)
65-74	M	2a	113.60 (84.81,144.48)	83.92 (64.17,105.28)	54.26 (42.56,66.30)
65-74	M	2b	260.14 (193.64,342.16)	174.93 (134.75,223.58)	94.81 (74.22,116.33)
65-74	M	3a	112.45 (83.72,145.93)	30.85 (23.41,39.28)	20.29 (15.73,25.08)
65-74	M	3b	165.32 (127.28,205.14)	64.60 (48.92,84.17)	35.23 (27.29,43.57)
65-74	F	1a	27.42 (20.92,34.48)	18.87 (14.67,23.31)	11.72 (9.02,14.59)
65-74	F	1b	57.26 (44.15,149.86)	30.49 (24.83,36.84)	17.39 (13.80,21.03)
65-74	F	2a	74.92 (58.07,92.60)	51.04 (40.20,62.20)	31.59 (24.47,38.77)
65-74	F	2b	152.97 (119.91,284.42)	82.49 (67.75,98.15)	47.02 (37.64,56.23)
65-74	F	3a	74.29 (56.02,93.15)	18.87 (14.67,23.31)	11.72 (9.02,14.59)
65-74	F	3b	103.04 (81.47,192.57)	30.49 (24.83,36.84)	17.39 (13.80,21.03)
75+	M	1a	54.89 (39.42,72.57)	64.43 (50.97,77.50)	49.17 (39.79,57.82)
75+	M	1b	90.17 (71.57,113.82)	99.69 (83.44,120.19)	75.00 (62.51,90.42)

75+	M	2a	154.79 (112.10,200.67)	180.22 (143.90,214.52)	134.49 (109.67,156.83)
75+	M	2b	253.90 (204.17,317.01)	279.95 (235.65,334.62)	208.27 (174.05,250.23)
75+	M	3a	152.80 (109.90,200.54)	64.43 (50.97,77.50)	49.17 (39.79,57.82)
75+	M	3b	186.78 (143.96,237.92)	99.69 (83.44,120.19)	75.00 (62.51,90.42)
75+	F	1a	49.94 (39.64,60.14)	59.43 (47.44,71.60)	43.58 (34.30,52.18)
75+	F	1b	78.92 (64.35,93.07)	85.97 (70.26,101.14)	57.96 (46.69,69)
75+	F	2a	138.91 (111.05,166.33)	164.89 (132.59,197.34)	120.47 (95.40,143.50)
75+	F	2b	221.42 (181.66,259.84)	240.09 (198.76,280.80)	161.60 (130.50,190.49)
75+	F	3a	137.74 (107.74,167.42)	59.43 (47.44,71.60)	43.58 (34.30,52.18)
75+	F	3b	165.76 (134.45,196.52)	85.97 (70.26,101.14)	57.96 (46.69,69.00)

* Six policy interventions defined in Table 1: (1a) 10% subsidy, (1b) 10% subsidy and 10% tax, (2a) 30% subsidy, (2b) 30% subsidy and 30% tax, (3a) 10% subsidy and additional 30% subsidy for SNAP purchases, (3b) 10% subsidy, 10% tax, and additional 30% subsidy for SNAP purchases.

Table S10. All cardiometabolic disease (CMD) deaths averted (per 100k population, adjusted for differences in age and sex distribution across SNAP categories) for six food price subsidy and tax interventions.*

	SNAP participants	SNAP non-participants	
		Eligible	Ineligible
U.S. adult population in 2014 (1000s)	21465	20677	171559
CHD: Baseline CHD deaths/y per 100k adults	345.8	299.1	190.9
Prevented deaths/y per 100k adults (95% UI)			
1a. (10/0/0)	11.5 (10.2,12.7)	11.3 (10.1,12.5)	7.3 (6.6,8)
1b. (10/10/0)	29.7 (24.8,35.9)	25.5 (21.6,31.5)	12.9 (11.2,14.9)
2a. (30/0/0)	31.8 (28.4,35.2)	30.6 (27.4,33.8)	19.4 (17.6,21.2)
2b. (30/30/0)	76.6 (66.3,89.1)	65.7 (57.2,76.8)	33.5 (29.6,38.1)
3a. (10/0/30)	31.5 (27.8,35.4)	11.3 (10.1,12.5)	7.3 (6.6,8)
3b. (10/10/30)	48.4 (43.2,55.4)	25.5 (21.6,31.5)	12.9 (11.2,14.9)
Stroke: Baseline Stroke deaths/y per 100k adults	112.7	105.2	73.9
Prevented deaths/y per 100k adults (95% UI)			
1a. (10/0/0)	8.5 (7.5,9.6)	9.6 (8.4,10.8)	6.1 (5.3,6.8)
1b. (10/10/0)	9.0 (8,10.2)	10.1 (8.8,11.3)	6.3 (5.5,7.0)
2a. (30/0/0)	22.8 (20.0,25.5)	24.9 (21.9,27.6)	15.8 (14.0,17.5)
2b. (30/30/0)	24.1 (21.4,26.9)	25.9 (23.0,28.8)	16.3 (14.4,18.0)
3a. (10/0/30)	22.5 (19.9,25.6)	9.6 (8.4,10.8)	6.1 (5.3,6.8)
3b. (10/10/30)	23.0 (20.3,26)	10.1 (8.8,11.3)	6.3 (5.5,7.0)
Diabetes: Baseline diabetes deaths/y per 100k adults	108.2	77.6	52.8

Prevented deaths/y per 100k adults (95% UI)			
1a. (10/0/0)	1.3 (1.1,1.5)	1.0 (0.8,1.1)	0.7 (0.7,0.8)
1b. (10/10/0)	11.9 (9.7,15.8)	7.9 (6.4,11.1)	4.0 (3.3,5.2)
2a. (30/0/0)	3.7 (3.2,4.2)	2.8 (2.4,3.2)	2.1 (1.8,2.3)
2b. (30/30/0)	30.1 (25.6,36.1)	20.1 (17.0,24.6)	10.6 (9.1,12.7)
3a. (10/0/30)	3.6 (3.1,4.2)	1.0 (0.8,1.1)	0.7 (0.7,0.8)
3b. (10/10/30)	14.0 (11.8,17.8)	7.9 (6.4,11.1)	4 (3.3,5.2)

CMD: Baseline

CMD deaths/y per 100k adults	566.7	481.8	317.5
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Prevented deaths/y per 100k adults (95% UI)			
1a. (10/0/0)	19.8 (18.4,21.4)	18.9 (17.4,20.4)	13.8 (12.8,14.9)
1b. (10/10/0)	59.4 (53.4,69.2)	50.6 (45.1,61.2)	26.4 (24.2,29.3)
2a. (30/0/0)	54.4 (50.7,58.8)	50.6 (47.0,54.6)	36.5 (34.0,39.2)
2b. (30/30/0)	150.8 (138.2,166.0)	127.6 (116.7,141.8)	68.3 (63.2,74.0)
3a. (10/0/30)	53.9 (50.1,58.7)	18.9 (17.4,20.4)	13.8 (12.8,14.9)
3b. (10/10/30)	91.0 (84.4,101.4)	50.6 (45.1,61.2)	26.4 (24.2,29.3)

*See Table 4 for corresponding unadjusted results. In Table 4, mortality rates differed across SNAP participation and eligibility categories, in part because of differences in the age distribution across the categories. The SNAP-eligible non-participant category was older on average (see Table S7) and had higher mortality rates per 100k adults (see Table 4). The adjusted results in this table assume constant baseline age and sex distribution across SNAP categories.