

Supporting information - Table 4. Multivariable HR¹ and 95% CI across quintiles (Q)/tertiles (T) of total sugars, *added sugars*, total fructose and sucrose intake in 255,696 men in the NIH-AARP Diet and Health Study for certain cancer sites²

	N cases	Multivariable HRs (95% CI) by quintiles ³ or tertiles ⁴ of intake				<i>P</i> _{trend}
		Q2/T2	Q3/T3	Q4	Q5	
Laryngeal cancer⁶	259					
Total sugars		0.81 (0.56 – 1.18)	1.08 (0.75 – 1.54)	0.54 (0.35 – 0.85)	0.84 (0.56 – 1.25)	0.20
<i>Added sugars⁵</i>		1.28 (0.86 – 1.89)	1.30 (0.88 – 1.93)	1.00 (0.66 – 1.52)	0.86 (0.55 – 1.33)	0.14
Total fructose		1.03 (0.72 – 1.47)	1.05 (0.72 – 1.51)	0.75 (0.50 – 1.14)	0.80 (0.53 – 1.21)	0.14
Sucrose		0.91 (0.62 – 1.33)	1.16 (0.80 – 1.67)	0.76 (0.50 – 1.14)	0.81 (0.54 – 1.22)	0.21
Stomach cancer⁶	379					
Total sugars		1.17 (0.85 – 1.62)	1.13 (0.81 – 1.57)	0.95 (0.67 – 1.35)	1.18 (0.83 – 1.66)	0.68
<i>Added sugars⁵</i>		1.10 (0.79 – 1.53)	1.07 (0.77 – 1.50)	1.02 (0.72 – 1.44)	1.02 (0.71 – 1.46)	0.85
Total fructose		0.95 (0.68 – 1.31)	1.13 (0.82 – 1.55)	0.84 (0.59 – 1.19)	1.11 (0.80 – 1.55)	0.65
Sucrose		0.91 (0.65 – 1.26)	0.84 (0.60 – 1.18)	1.08 (0.78 – 1.49)	1.02 (0.73 – 1.42)	0.54
Small intestinal cancer⁷	90					
Total sugars		0.89 (0.52 – 1.53)	0.96 (0.52 – 1.77)			0.90
<i>Added sugars⁵</i>		0.95 (0.56 – 1.62)	1.04 (0.59 – 1.84)			0.85
Total fructose		0.94 (0.55 – 1.60)	1.16 (0.65 – 2.10)			0.57

Sucrose		1.09 (0.64 – 1.86)	1.07 (0.61 – 1.89)			0.84
Colorectal cancer⁸	2,601					
Total sugars		0.93 (0.82 – 1.05)	0.96 (0.84 – 1.09)	0.92 (0.81 – 1.06)	0.95 (0.83 – 1.09)	0.54
<i>Added sugars⁵</i>		0.90 (0.80 – 1.02)	1.02 (0.90 – 1.15)	0.95 (0.84 – 1.08)	1.02 (0.89 – 1.16)	0.55
Total fructose		0.96 (0.85 – 1.08)	0.98 (0.87 – 1.11)	0.94 (0.82 – 1.07)	0.99 (0.87 – 1.14)	0.91
Sucrose		0.99 (0.87 – 1.11)	0.96 (0.85 – 1.09)	1.96 (0.84 – 1.09)	1.06 (0.93 – 1.21)	0.36
Liver cancer⁹	222					
Total sugars		1.08 (0.72 – 1.62)	0.77 (0.49 – 1.23)	0.91 (0.57 – 1.46)	1.23 (0.75 – 2.03)	0.53
<i>Added sugars⁵</i>		0.68 (0.44 – 1.06)	0.78 (0.51 – 1.21)	0.86 (0.56 – 1.32)	1.06 (0.68 – 1.66)	0.29
Total fructose		1.23 (0.81 – 1.86)	1.05 (0.67 – 1.65)	1.10 (0.69 – 1.76)	1.53 (0.94 – 2.47)	0.13
Sucrose		0.95 (0.63 – 1.44)	0.77 (0.49 – 1.22)	0.96 (0.62 – 1.49)	1.14 (0.74 – 1.78)	0.43
Pancreatic cancer¹⁰	536					
Total sugars		1.08 (0.83 – 1.40)	0.98 (0.74 – 1.31)	1.18 (0.88 – 1.59)	0.98 (0.69 – 1.39)	0.93
<i>Added sugars⁵</i>		0.86 (0.65 – 1.13)	0.92 (0.70 – 1.21)	0.84 (0.63 – 1.12)	1.02 (0.75 – 1.38)	0.75
Total fructose		0.95 (0.73 – 1.25)	1.00 (0.76 – 1.32)	1.14 (0.86 – 1.52)	1.05 (0.76 – 1.46)	0.51
Sucrose		0.72 (0.54 – 1.95)	0.97 (0.75 – 1.27)	0.90 (0.68 – 1.19)	0.96 (0.71 – 1.29)	0.76
Biliary cancer¹¹	98					
Total sugars		0.90 (0.54 – 1.49)	0.82 (0.46 – 1.48)			0.51

<i>Added sugars</i> ⁵		1.38 (0.81 – 2.34)	1.33 (0.75 – 2.35)			0.45
Total fructose		0.93 (0.57 – 1.53)	0.79 (0.44 – 1.39)			0.40
Sucrose		1.29 (0.79 – 2.11)	0.75 (0.42 – 1.32)			0.22
Kidney cancer ^{1,2}	756					
Total sugars		1.07 (0.86 – 1.35)	1.01 (0.80 – 1.28)	0.92 (0.72 – 1.17)	1.05 (0.81 – 1.35)	0.93
<i>Added sugars</i> ⁵		0.92 (0.73 – 1.15)	0.88 (0.70 – 1.12)	0.97 (0.76 – 1.23)	0.86 (0.66 – 1.13)	0.44
Total fructose		1.06 (0.85 – 1.34)	1.08 (0.85 – 1.36)	0.98 (0.76 – 1.26)	1.03 (0.79 – 1.35)	0.97
Sucrose		1.13 (0.89 – 1.43)	1.09 (0.86 – 1.39)	1.21 (0.94 – 1.54)	1.11 (0.86 – 1.45)	0.45
Non-Hodgkin	968					
Lymphoma ⁶						
Total sugars		1.03 (0.84 – 1.27)	1.00 (0.81 – 1.24)	1.09 (0.88 – 1.35)	1.16 (0.94 – 1.45)	0.12
<i>Added sugars</i> ⁵		0.98 (0.79 – 1.22)	1.12 (0.91 – 1.38)	1.17 (0.94 – 1.45)	1.09 (0.87 – 1.37)	0.32
Total fructose		1.26 (1.02 – 1.55)	1.22 (0.99 – 1.52)	1.14 (0.92 – 1.42)	1.28 (1.03 – 1.60)	0.12
Sucrose		0.98 (0.80 – 1.21)	1.03 (0.83 – 1.27)	0.99 (0.80 – 1.23)	1.19 (0.96 – 1.47)	0.07
Melanoma ⁶	1,117					
Total sugars		1.12 (0.93 – 1.35)	1.07 (0.88 – 1.29)	0.98 (0.80 – 1.19)	1.08 (0.88 – 1.33)	0.92
<i>Added sugars</i> ⁵		1.08 (0.91 – 1.29)	0.95 (0.79 – 1.15)	0.98 (0.80 – 1.19)	0.92 (0.75 – 1.15)	0.27
Total fructose		1.10 (0.92 – 1.33)	1.08 (0.89 – 1.30)	0.93 (0.77 – 1.14)	1.03 (0.84 – 1.26)	0.67

Sucrose		0.93 (0.77 – 1.12)	1.10 (0.91 – 1.32)	0.96 (0.79 – 1.16)	0.97 (0.79 – 1.19)	0.81
Thyroid cancer⁶	139					
Total sugars		1.12 (0.65 – 1.94)	1.19 (0.69 – 2.06)	1.11 (0.63 – 1.96)	1.27 (0.71 – 2.26)	0.48
<i>Added sugars⁵</i>		1.13 (0.68 – 1.87)	1.23 (0.74 – 2.05)	0.89 (0.50 – 1.58)	0.94 (0.51 – 1.75)	0.57
Total fructose		1.11 (0.64 – 1.91)	1.20 (0.70 – 2.06)	0.87 (0.48 – 1.58)	1.40 (0.80 – 2.43)	0.36
Sucrose		1.26 (0.72 – 2.22)	1.66 (0.96 – 2.87)	1.47 (0.83 – 2.63)	1.39 (0.76 – 2.56)	0.33
Myeloma⁶	281					
Total sugars		1.00 (0.69 – 1.46)	0.96 (0.66 – 1.41)	0.81 (0.54 – 1.22)	0.89 (0.59 – 1.33)	0.38
<i>Added sugars⁵</i>		0.85 (0.59 – 1.23)	0.88 (0.61 – 1.28)	0.79 (0.54 – 1.17)	0.77 (0.51 – 1.17)	0.27
Total fructose		0.81 (0.55 – 1.18)	1.10 (0.77 – 1.58)	0.69 (0.46 – 1.04)	0.86 (0.58 – 1.27)	0.38
Sucrose		0.91 (0.62 – 1.35)	0.95 (0.64 – 1.39)	1.08 (0.74 – 1.58)	0.81 (0.54 – 1.22)	0.49
Brain cancer⁶	307					
Total sugars		1.10 (0.74 – 1.62)	1.20 (0.82 – 1.77)	1.33 (0.90 – 1.96)	1.34 (0.90 – 1.99)	0.10
<i>Added sugars⁵</i>		1.26 (0.89 – 1.78)	0.96 (0.66 – 1.40)	1.04 (0.71 – 1.53)	1.13 (0.75 – 1.70)	0.87
Total fructose		1.03 (0.69 – 1.52)	1.23 (0.84 – 1.80)	1.22 (0.83 – 1.79)	1.28 (0.87 – 1.89)	0.16
Sucrose		1.03 (0.72 – 1.49)	0.84 (0.57 – 1.24)	1.01 (0.70 – 1.47)	1.13 (0.78 – 1.65)	0.45
Prostate cancer¹³	14,034					
Total sugars		1.01 (0.96 – 1.07)	1.02 (0.96 – 1.08)	1.02 (0.96 – 1.08)	0.99 (0.93 – 1.05)	0.61

<i>Added sugars</i> ⁵	1.00 (0.95 – 1.06)	1.01 (0.95 – 1.06)	1.03 (0.97 – 1.09)	0.99 (0.93 – 1.05)	0.79
Total fructose	1.03 (0.97 – 1.08)	1.01 (0.96 – 1.07)	1.02 (0.97 – 1.08)	0.99 (0.93 – 1.05)	0.53
Sucrose	1.00 (0.95 – 1.05)	0.99 (0.94 – 1.04)	1.00 (0.95 – 1.06)	1.01 (0.95 – 1.07)	0.71

¹ Cox proportional hazards regression model adjusted for age, BMI (<18.5, ≥18.5 to <25, ≥25 to <30, ≥30 to <35, ≥35, or missing), family history of cancer, marital status, smoking (never smoker, quit ≥10 yrs ago, quit 5-9 yrs ago, quit 1-4 yrs ago, quit <1yr ago ≤20 cigs/d, quit <1yr ago >20 cigs/d, current ≤20 cigs/d, current 20-40 cigs/d, current >40 cigs/d, or missing), race (Caucasian, Black, Hispanic/Asian/Pacific Islander/American Indian/Alaskan native, or unknown), education (less than high school/unknown, high school graduate, some college, or college graduate), physical activity (never/rarely/missing, 1-3 times per month, 1-2 times per week, 3-4 times per week, or ≥5 times per week), energy intake (kcal, continuous) and alcohol intake (grams, quintiles).

² Findings for the remaining cancer sites which were not reported in the main table.

³ Medians by quintile of intake were: 33.8, 46.1, 55.7, 66.5 and 85.3 g/1000 kcal for total sugars; 2.2, 3.5, 5.0, 7.0 and 11.2 tsp/1000 kcal for *added sugars*; 12.8, 18.2, 22.7, 28.0 and 38.1 g/1000 kcal for total fructose; and 11.9, 17.0, 21.2, 26.3 and 35.5 g/1000 kcal for sucrose.

⁴ Medians by tertile of intake were: 38.7, 55.7 and 76.9 g/1000 kcal for total sugars; 2.7, 5.0 and 9.2 tsp/1000 kcal for *added sugars*; 14.9, 22.7 and 33.5 g/1000 kcal for total fructose; and 13.9, 21.2 and 31.4 g/1000 kcal for sucrose.

⁵ Additionally adjusted for fruit without juice (g/1000 kcal, quintiles) and for fruit juice (g/1000 kcal, quintiles) to separate the effect of fruit juice and whole fruits.

⁶ Additionally adjusted for vegetables intake (g/1000 kcal, quintiles).

⁷ Additionally adjusted for fiber (g/1000 kcal, quintiles) and total fat intake (g/1000 kcal, quintiles).

⁸ Additionally adjusted for fiber, red meat (g/1000 kcal, quintiles), calcium (mg/1000 kcal, quintiles), supplemental calcium (mg/1000 kcal, quintiles) and height (cm, continuous).

⁹ Additionally adjusted for vegetables, total fat and red meat intake.

¹⁰ Additionally adjusted for vegetables, total fat, red meat and folate intake ($\mu\text{g}/1000$ kcal, quintiles).

¹¹ Additionally adjusted for vegetables, total fat intake.

¹² Additionally adjusted for vegetables and protein intake ($\text{g}/1000$ kcal, quintiles).

¹³ Additionally adjusted for vegetables and calcium intake.

Supporting information - Table 5. Multivariable HR¹ and 95% CI across quintiles (Q)/tertiles (T) of total sugars, *added sugars*, total fructose and sucrose intake in 179,990 women in the NIH-AARP Diet and Health Study for certain cancer sites²

	N cases	Multivariable HRs (95% CI) by quintiles ³ or tertiles ⁴ of intake				<i>P</i> _{trend}
		Q2/T2	Q3/T3	Q4	Q5	
Laryngeal cancer⁶	59					
Total sugars		0.73 (0.38 – 1.41)	0.91 (0.47 – 1.75)			0.74
<i>Added sugars⁵</i>		0.79 (0.38 – 1.64)	1.20 (0.62 – 2.31)			0.46
Total fructose		0.67 (0.34 – 1.31)	0.86 (0.45 - 1.64)			0.62
Sucrose		0.93 (0.47 – 1.85)	1.30 (0.69 – 2.45)			0.40
Stomach cancer⁶	113					
Total sugars		1.30 (0.73 – 2.33)	0.58 (0.28 – 1.17)	1.14 (0.63 – 2.08)	0.99 (0.53 – 1.85)	0.87
<i>Added sugars⁵</i>		0.82 (0.44 – 1.52)	0.92 (0.50 – 1.68)	0.83 (0.45 – 1.55)	0.96 (0.51 – 1.79)	0.93
Total fructose		0.90 (0.50 – 1.63)	0.90 (0.50 – 1.62)	0.80 (0.43 – 1.46)	0.85 (0.47 – 1.56)	0.58
Sucrose		1.02 (0.56 – 1.85)	0.75 (0.40 – 1.43)	0.96 (0.53 – 1.75)	1.00 (0.55 – 1.83)	0.94
Small intestinal cancer⁷	45					
Total sugars		1.49 (0.71 – 3.12)	1.80 (0.74 – 4.37)			0.19
<i>Added sugars⁵</i>		0.79 (0.38 – 1.67)	1.05 (0.48 – 2.27)			0.82
Total fructose		1.84 (0.87 – 3.89)	2.17 (0.92 – 5.11)			0.08

Sucrose		1.09 (0.50 – 2.35)	1.75 (0.82 – 3.78)			0.14
Colorectal cancer⁸	1,296					
Total sugars		0.93 (0.78 – 1.11)	1.02 (0.85 – 1.22)	1.02 (0.84 – 1.22)	1.06 (0.87- 1.29)	0.38
<i>Added sugars⁵</i>		1.03 (0.87 – 1.22)	0.91 (0.76 – 1.09)	0.99 (0.83 – 1.18)	0.99 (0.81 – 1.19)	0.87
Total fructose		0.86 (0.72 – 1.03)	1.03 (0.86 – 1.23)	1.07 (0.90 – 1.28)	1.05 (0.87 – 1.27)	0.20
Sucrose		0.95 (0.79 – 1.13)	0.97 (0.81 – 1.16)	1.05 (0.87 – 1.25)	1.11 (0.92 – 1.33)	0.13
Liver cancer⁹	66					
Total sugars		0.79 (0.42 – 1.49)	0.78 (0.38 - 1.62)			0.53
<i>Added sugars⁵</i>		0.86 (0.47 – 1.56)	0.75 (0.39 – 1.45)			0.41
Total fructose		0.92 (0.51 – 1.65)	0.50 (0.24 – 1.03)			0.05
Sucrose		0.77 (0.43 – 1.39)	0.54 (0.27 – 1.04)			0.07
Pancreatic cancer¹⁰	325					
Total sugars		1.22 (0.85 – 1.75)	1.22 (0.84 – 1.79)	1.19 (0.80 – 1.79)	1.05 (0.66 – 1.67)	0.96
<i>Added sugars⁵</i>		0.99 (0.70 – 1.38)	1.02 (0.73 – 1.44)	0.81 (0.56 – 1.17)	0.71 (0.47 – 1.08)	0.05
Total fructose		1.22 (0.86 – 1.73)	1.06 (0.73 – 1.54)	1.22 (0.84 – 1.79)	0.93 (0.60 – 1.44)	0.65
Sucrose		1.18 (0.83 – 1.68)	1.10 (0.76 – 1.58)	1.27 (0.88 – 1.83)	0.85 (0.56 – 1.28)	0.37
Biliary cancer¹¹	66					
Total sugars		0.92 (0.50 – 1.67)	0.80 (0.39 – 1.67)			0.56

<i>Added sugars</i> ⁵		1.20 (0.65 – 2.23)	1.19 (0.61 – 2.33)			0.79
Total fructose		1.05 (0.58 – 1.89)	0.75 (0.36 – 1.53)			0.41
Sucrose		0.71 (0.38 – 1.33)	0.91 (0.48 – 1.71)			0.83
Kidney cancer ^{1,2}	288					
Total sugars		1.24 (0.87 – 1.78)	1.04 (0.71 – 1.52)	1.16 (0.79 – 1.69)	1.00 (0.66 – 1.51)	0.85
<i>Added sugars</i> ⁵		0.73 (0.51 – 1.06)	0.74 (0.51 – 1.07)	0.95 (0.66 – 1.37)	0.78 (0.51 – 1.20)	0.68
Total fructose		1.00 (0.70 – 1.42)	0.88 (0.61 – 1.28)	1.14 (0.79 – 1.65)	0.84 (0.54 – 1.29)	0.64
Sucrose		0.81 (0.56 – 1.16)	0.90 (0.63 – 1.29)	0.91 (0.63 – 1.32)	0.90 (0.61 – 1.34)	0.84
Non-Hodgkins	541					
Lymphoma ⁶						
Total sugars		1.14 (0.86 – 1.52)	1.16 (0.87 – 1.55)	1.48 (1.12 – 1.95)	1.19 (0.88 – 1.60)	0.11
<i>Added sugars</i> ⁵		1.24 (0.94 – 1.63)	1.10 (0.82 – 1.47)	1.33 (1.00 – 1.77)	1.16 (0.85 – 1.58)	0.49
Total fructose		1.11 (0.84 – 1.48)	1.17 (0.88 – 1.55)	1.31 (0.99 – 1.73)	1.21 (0.91 – 1.62)	0.14
Sucrose		1.07 (0.80 – 1.44)	1.37 (1.04 – 1.82)	1.33 (1.00 -1.77)	1.31 (0.98 – 1.75)	0.05
Melanoma ⁶	438					
Total sugars		0.89 (0.67 – 1.19)	0.79 (0.58 – 1.06)	0.91 (0.68 – 1.22)	0.88 (0.64 – 1.20)	0.52
<i>Added sugars</i> ⁵		0.87 (0.64 – 1.17)	0.97 (0.72 – 1.30)	0.91 (0.67 – 1.24)	0.95 (0.69 – 1.33)	0.97
Total fructose		1.04 (0.78 – 1.39)	0.90 (0.67 – 1.23)	1.05 (0.78 – 1.42)	0.95 (0.69 – 1.30)	0.77

Sucrose		1.01 (0.76 – 1.34)	0.94 (0.70 – 1.26)	0.80 (0.58 – 1.09)	0.95 (0.70 – 1.29)	0.45
Thyroid cancer⁶	152					
Total sugars		0.69 (0.39 – 1.22)	1.10 (0.66 – 1.82)	1.10 (0.66 – 1.83)	0.98 (0.58 – 1.67)	0.61
<i>Added sugars⁵</i>		0.84 (0.51 – 1.39)	0.58 (0.33 – 1.02)	0.87 (0.53 – 1.46)	0.87 (0.51 – 1.48)	0.98
Total fructose		0.70 (0.41 – 1.20)	0.83 (0.50 – 1.39)	1.13 (0.70 – 1.83)	0.82 (0.49 – 1.38)	0.98
Sucrose		0.69 (0.40 – 1.18)	0.96 (0.58 – 1.57)	0.96 (0.58 – 1.57)	0.78 (0.46 – 1.32)	0.66
Myeloma⁶	141					
Total sugars		1.48 (0.86 – 2.53)	1.41 (0.82 – 2.44)	0.94 (0.51 – 1.71)	1.24 (0.69 – 2.22)	0.97
<i>Added sugars⁵</i>		0.88 (0.51 – 1.49)	1.20 (0.73 – 1.99)	0.87 (0.50 – 1.51)	0.81 (0.44 – 1.46)	0.43
Total fructose		0.96 (0.55 – 1.65)	1.05 (0.61 – 1.80)	1.01 (0.58 – 1.75)	1.12 (0.65 – 1.94)	0.63
Sucrose		0.97 (0.57 – 1.67)	1.02 (0.60 – 1.75)	1.06 (0.62 – 1.82)	1.02 (0.59 – 1.79)	0.85
Brain cancer⁶	124					
Total sugars		0.89 (0.53 – 1.48)	0.65 (0.37 – 1.15)	0.67 (0.38 – 1.19)	0.86 (0.49 – 1.51)	0.44
<i>Added sugars⁵</i>		0.74 (0.42 – 1.29)	0.89 (0.52 – 1.53)	0.94 (0.55 – 1.64)	0.70 (0.37 – 1.31)	0.45
Total fructose		0.91 (0.54 – 1.53)	0.76 (0.44 – 1.32)	0.68 (0.38 – 1.21)	0.79 (0.45 – 1.41)	0.31
Sucrose		0.90 (0.53 – 1.51)	0.81 (0.47 – 1.40)	0.77 (0.44 – 1.35)	0.73 (0.40 – 1.31)	0.25
Female cancers¹³	6,361					
Total sugars		1.06 (0.98 – 1.15)	1.00 (0.92 – 1.09)	1.00 (0.91 – 1.09)	0.97 (0.88 – 1.07)	0.30

<i>Added sugars</i> ⁵		1.02 (0.94 – 1.10)	1.01 (0.93 – 1.09)	1.01 (0.93 – 1.10)	1.01 (0.92 – 1.10)	0.99
Total fructose		1.03 (0.95 – 1.11)	1.01 (0.93 – 1.10)	1.00 (0.92 – 1.09)	0.95 (0.87 – 1.05)	0.21
Sucrose		1.07 (0.99 – 1.16)	0.97 (0.89 – 1.08)	0.99 (0.91 – 1.08)	1.01 (0.93 – 1.11)	0.73
Breast cancer ¹³	4,793					
Total sugars		1.07 (0.97 – 1.17)	0.98 (0.89 – 1.08)	0.94 (0.85 – 1.05)	0.96 (0.85 – 1.08)	0.15
<i>Added sugars</i> ⁵		1.03 (0.94 – 1.13)	1.01 (0.92 – 1.11)	1.01 (0.92 – 1.12)	1.01 (0.91 – 1.12)	0.93
Total fructose		1.03 (0.94 – 1.13)	0.97 (0.88 – 1.07)	0.96 (0.87 – 1.06)	0.93 (0.84 – 1.04)	0.10
Sucrose		1.05 (0.96 – 1.15)	0.93 (0.84 – 1.02)	0.95 (0.86 – 1.05)	1.02 (0.93 – 1.13)	0.97
Endometrial cancer ⁶	924					
Total sugars		1.14 (0.92 – 1.42)	1.27 (1.02 – 1.58)	1.28 (1.03 – 1.60)	1.18 (0.94 – 1.50)	0.13
<i>Added sugars</i> ⁵		0.94 (0.75 – 1.16)	1.08 (0.88 – 1.34)	1.03 (0.83 – 1.29)	1.09 (0.86 -1.37)	0.35
Total fructose		1.10 (0.89 – 1.38)	1.25 (1.00 – 1.55)	1.25 (1.00 – 1.56)	1.23 (0.98 – 1.55)	0.06
Sucrose		1.24 (1.00 – 1.54)	1.26 (1.01 – 1.57)	1.24 (0.99 – 1.54)	1.12 (0.88 – 1.41)	0.63
Cervical cancer ⁶	92					
Total sugars		0.96 (0.56 – 1.64)	1.02 (0.60 – 1.75)			0.93
<i>Added sugars</i> ⁵		1.44 (0.81 – 2.54)	1.69 (0.94 – 3.02)			0.10
Total fructose		1.06 (0.63 – 1.79)	0.88 (0.51 – 1.52)			0.61
Sucrose		0.98 (0.57 – 1.70)	1.24 (0.73 – 2.12)			0.38

¹ Cox proportional hazards regression model adjusted for age, BMI (<18.5, ≥18.5 to <25, ≥25 to <30, ≥30 to <35, ≥35, or missing), family history of cancer, marital status, smoking (never smoker, quit ≥10 yrs ago, quit 5-9 yrs ago, quit 1-4 yrs ago, quit <1yr ago ≤20 cigs/d, quit <1yr ago >20 cigs/d, current ≤20 cigs/d, current 20-40 cigs/d, current >40 cigs/d, or missing), race (Caucasian, Black, Hispanic/Asian/Pacific Islander/American Indian/Alaskan native, or unknown), education (less than high school/unknown, high school graduate, some college, or college graduate), physical activity (never/rarely/missing, 1-3 times per month, 1-2 times per week, 3-4 times per week, or ≥5 times per week), energy intake (kcal, continuous) and alcohol intake (grams, quintiles).

² Findings for the remaining cancer sites which were not reported in the main table.

³ Medians by quintile of intake were: 38.7, 51.6, 61.5, 72.5 and 91.5 g/1000 kcal for total sugars; 2.4, 3.7, 5.0, 6.9 and 11.0 tsp/1000 kcal for *added sugars*; 14.8, 20.5, 25.0, 30.4 and 40.6 g/1000 kcal for Total fructose; and 13.6, 18.7, 22.9, 28.0 and 37.5 g/1000 kcal for sucrose.

⁴ Medians by tertile of intake were: 43.9, 61.4 and 83.1 g/1000 kcal for total sugars; 2.9, 5.0 and 9.0 tsp/1000 kcal for *added sugars*; 17.0, 25.0 and 35.9 g/1000 kcal for total fructose; and 15.6, 22.9 and 33.2 g/1000 kcal for sucrose.

⁵ Additionally adjusted for fruit without juice (g/1000 kcal, quintiles) and for fruit juice (g/1000 kcal, quintiles) to separate the effect of fruit juice and whole fruits.

⁶ Additionally adjusted for vegetables intake (g/1000 kcal, quintiles).

⁷ Additionally adjusted for fiber (g/1000 kcal, quintiles) and total fat intake (g/1000 kcal, quintiles).

⁸ Additionally adjusted for fiber, red meat (g/1000 kcal, quintiles), calcium (mg/1000 kcal, quintiles), supplemental calcium (mg, quintiles) and height (cm, continuous).

⁹ Additionally adjusted for vegetables, total fat and red meat intake.

¹⁰ Additionally adjusted for vegetables, total fat, red meat and folate intake (μg/1000 kcal, quintiles).

¹¹ Additionally adjusted for vegetables and total fat intake.

¹² Additionally adjusted for vegetables and protein intake (g/1000 kcal, quintiles).

¹³ Additionally adjusted for vegetables and total fat intake.