

**Supplement 5.** Subgroup analysis by monthly income

Items	<1 million KRW/mo (N=11,030)		≥1 and <2 million KRW/mo (N=10,206)		≥2 and <4 million KRW/mo (N=22,813)		≥4 million KRW/mo (N=13,370)	
	HR (95% CI)	P-value	HR (95% CI)	P-value	HR (95% CI)	P-value	HR (95% CI)	p-value
<b>Individual fruits</b>								
Fruit, total	1.04 (0.98–1.11)	0.2	1.07 (1.00–1.15)	0.045	1.01 (0.95–1.06)	0.9	0.97 (0.90–1.04)	0.4
Strawberries	0.85 (0.73–0.99)	0.040	0.92 (0.78–1.08)	0.3	1.03 (0.92–1.15)	0.6	1.09 (0.93–1.26)	0.3
Melons/oriental melons	0.95 (0.84–1.07)	0.4	0.98 (0.85–1.12)	0.7	1.10 (1.00–1.21)	0.052	1.03 (0.89–1.18)	0.7
Watermelons	0.97 (0.88–1.08)	0.6	0.94 (0.84–1.06)	0.3	0.99 (0.90–1.08)	0.8	1.00 (0.89–1.13)	>0.9
Peaches/apricots	0.96 (0.85–1.08)	0.5	0.93 (0.80–1.07)	0.3	1.03 (0.94–1.14)	0.5	1.04 (0.91–1.20)	0.5
Bananas	0.92 (0.81–1.04)	0.2	0.96 (0.84–1.10)	0.6	0.95 (0.86–1.05)	0.3	0.89 (0.77–1.03)	0.13
Persimmons/dried persimmons	0.94 (0.85–1.04)	0.3	1.00 (0.89–1.11)	>0.9	0.97 (0.89–1.07)	0.5	1.00 (0.89–1.13)	>0.9
Tangerines	0.97 (0.89–1.05)	0.5	0.88 (0.79–0.98)	0.016	0.99 (0.92–1.06)	0.7	0.98 (0.89–1.08)	0.7
Pears	0.96 (0.85–1.08)	0.5	0.83 (0.72–0.95)	0.009	0.96 (0.87–1.06)	0.5	1.05 (0.94–1.17)	0.4
Apples	0.94 (0.86–1.03)	0.2	0.87 (0.79–0.96)	0.007	0.99 (0.92–1.07)	0.8	1.05 (0.96–1.16)	0.3
Oranges	0.98 (0.85–1.13)	0.8	1.06 (0.90–1.25)	0.5	0.95 (0.85–1.07)	0.4	1.05 (0.90–1.22)	0.5
Grapes	0.88 (0.78–1.00)	0.048	0.78 (0.67–0.91)	0.002	0.88 (0.79–0.98)	0.024	1.03 (0.91–1.17)	0.6
Tomatoes*	-	-	-	-	-	-	-	-
<b>Grouped fruits</b>								
Fruits, total	0.99 (0.97–1.02)	0.7	0.98 (0.95–1.02)	0.3	1.01 (0.98–1.03)	0.6	1.01 (0.98–1.04)	0.6
High GI	1.03 (0.94–1.12)	0.5	0.98 (0.88–1.09)	0.7	1.08 (1.01–1.16)	0.025	0.93 (0.85–1.02)	0.13
Middle GI	1.01 (0.95–1.07)	0.8	0.93 (0.86–1.00)	0.059	0.98 (0.94–1.02)	0.4	0.95 (0.90–1.01)	0.10
Low GI*	-	-	-	-	-	-	-	-
High GL	0.96 (0.89–1.03)	0.3	1.05 (0.96–1.14)	0.3	0.91 (0.86–0.96)	0.001	1.01 (0.94–1.09)	0.8
Middle GL	0.97 (0.89–1.05)	0.4	1.13 (1.02–1.25)	0.017	1.01 (0.95–1.08)	0.7	1.04 (0.95–1.15)	0.4
Low GL*	-	-	-	-	-	-	-	-

Adjusted for age (years), body mass index (16.0–19.9, 20–24.9, ≥25 kg/m<sup>2</sup>), smoking status (never, former, current), physical activity (<120, 120–180, >180 min/wk of moderate to vigorous exercise), family history of diabetes (yes or no), and total energy intake (kcal/d). Individual fruit consumption was mutually adjusted.

HR, hazard ratio; CI, confidence interval; GI, glycemic index; GL, glycemic load.

\*Values did not converge.