## Supplementary Materials: Total Water Intake from Beverages and Foods Is Associated with Energy Intake and Eating Behaviors in Korean Adults

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Table S1. Odds ratios and $95 \%$ confidence intervals of beverage consumption according to sociodemographic and health-related characteristics in Korean adults, KNHANES 2008-2012 ${ }^{1}$.

|  | Milk ( $n=6170$ ) ${ }^{2}$ | $\begin{gathered} \hline \text { Unsweetened } \\ \text { Coffee/Tea } \\ (n=7745) \\ \hline \end{gathered}$ | $\begin{aligned} & 100 \% \text { Fruit Juice } \\ & \quad(n=1213) \end{aligned}$ | $\begin{gathered} \text { SSBs }^{3} \\ (n=11,644) \end{gathered}$ | Alcoholic Beverages $(n=4630)$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | AOR (95\% CI) | AOR (95\% CI) | AOR (95\% CI) | AOR (95\% CI) | AOR (95\% CI) |
| Sex |  |  |  |  |  |
| Men | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Women | 1.26 (1.13-1.41) ${ }^{\text {4,** }}$ | 1.39 (1.25-1.55) ** | 1.17 (0.93-1.46) | 1.14 (1.04-1.25) ** | $0.83(0.73-0.93)^{* *}$ |
| Age (years) |  |  |  |  |  |
| 19-29 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 30-49 | 0.75 (0.66-0.83) ** | 1.33 (1.18-1.49) ** | 0.82 (0.66-1.01) | 1.27 (1.14-1.40) ** | 1.30 (1.12-1.50) ** |
| 50-64 | 0.79 (0.69-0.89) ** | 1.58 (1.38-1.80) ** | 0.83 (0.64-1.07) | 0.96 (0.85-1.08) | 1.44 (1.22-1.69) ** |
| $65+$ | 0.77 (0.67-0.90) ** | 1.05 (0.90-1.22) | 0.55 (0.40-0.76) ** | 0.96 (0.84-1.10) | 1.06 (0.87-1.28) |
| Income |  |  |  |  |  |
| Low | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Mid-low | 1.18 (1.05-1.32) ** | 1.06 (0.96-1.17) | 0.98 (0.78-1.24) | 1.01 (0.92-1.11) | 0.96 (0.84-1.08) |
| Mid-high | 1.13 (1.00-1.27) * | 1.14 (1.02-1.27) * | 0.98 (0.78-1.23) | 0.99 (0.90-1.09) | 1.06 (0.94-1.21) |
| High | 1.11 (0.97-1.23) | 1.23 (1.10-1.38) ** | 1.12 (0.90-1.40) | 1.00 (0.91-1.11) | 0.99 (0.87-1.13) |


| Education |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\leq$ Elementary school | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Middle school | 1.26 (1.09-1.47) ** | 1.39 (1.23-1.58) ** | 1.10 (0.81-1.49) | 1.14 (1.02-1.29) * | 1.30 (1.11-1.53) ** |
| High school | 1.47 (1.29-1.68) ** | 1.66 (1.47-1.88) ** | 1.20 (0.92-1.55) | 1.20 (1.07-1.34) ** | 1.15 (0.99-1.33) |
| $\geq$ College | $1.87(1.62-2.16)^{* *}$ | 1.96 (1.71-2.24) ** | 1.40 (1.05-1.86) * | 1.36 (1.21-1.53) ** | 1.01 (0.85-1.19) |
| Smoking |  |  |  |  |  |
| Never | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Former | 1.18 (1.02-1.36) * | 1.84 (1.60-2.11) ** | 1.05 (0.81-1.35) | 1.16 (1.03-1.31) * | 1.73 (1.49-2.02) ** |
| Current | $0.71(0.63-0.79)^{* *}$ | 1.08 (0.96-1.21) | 0.80 (0.65-1.05) | 1.18 (1.07-1.30) ** | 2.09 (1.85-2.37) ** |
| Physical activity ${ }^{2}$ |  |  |  |  |  |
| Yes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| No | 0.88 (0.82-0.98) ** | 1.04 (0.97-1.12) | 1.03 (0.89-1.19) | 1.11 (1.04-1.18) ** | 1.06 (0.97-1.15) |
| Day of recalled intake |  |  |  |  |  |
| Monday-Thursday | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Friday-Saturday | 1.02 (0.93-1.11) | 1.17 (1.06-1.29) ** | 1.10 (0.94-1.28) | 0.95 (0.88-1.02) | 1.20 (1.09-1.31) ** |
| Body mass index (kg/m²) |  |  |  |  |  |
| $<23$ | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 23 to <25 | 0.96 (0.87-1.05) | 1.02 (0.94-1.11) | 1.01 (0.84-1.23) | 0.99 (0.91-1.07) | 1.05 (0.95-1.16) |
| $\geq 25$ | 0.90 (0.82-0.98) * | 1.14 (1.05-1.23) ** | 0.98 (0.82-1.17) | 0.93 (0.86-1.00) | 1.00 (0.90-1.10) |

${ }^{1}$ Data were from the Korea National Health and Nutrition Examination Surveys (KNHANES). All data except for sample size were weighted accounting for the complex study design according to the directions of the KNHANES analytical guidelines. The multiple logistic models included sex, age (continuous), income (low, mid-low, mid-high, or high) and education levels (elementary school graduates, middle school graduates, high school graduates, or more than college graduate), smoking status (nonsmoker, former smoker, or current smoker), the day of recalled intake (Monday-Thursday or Friday-Sunday), physical activity (yes or no), body mass index (continuous), and total daily energy intake (continuous). Diet beverage category was excluded from the multiple logistic regression due to the small sample size of consumer ( $n=16$ ). SSBs, sugar-sweetened beverages; AOR, adjusted odds ratio; $95 \% \mathrm{CI}, 95 \%$ confidence interval; ${ }^{2} n$ referred to consumers of each beverage group; ${ }^{3}$ SSBs included sodas, fruit drinks, sweetened coffees/teas, sports/energy drinks, and other SSBs; ${ }^{4}$ Significant associations were indicated in bold ( ${ }^{*} p<0.05,{ }^{* *} p<0.01$ ); ${ }^{5}$ Having physical activity was defined as walking $\geq 5$ time a week for $\geq 30$ min each time.

