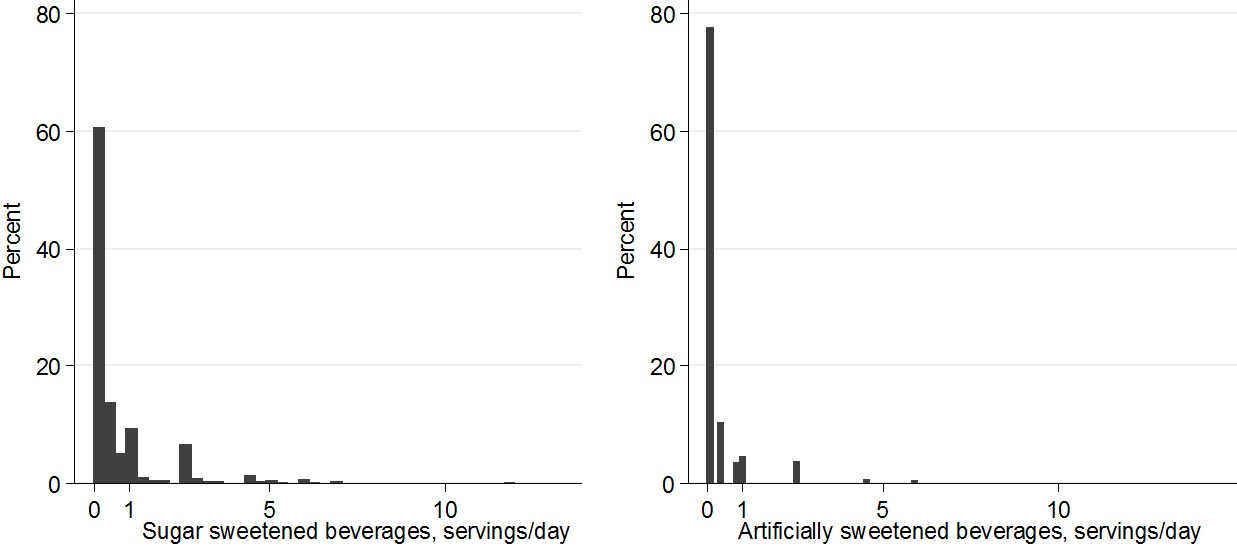
**Supplementary Materials for “Socio-demographic, lifestyle and behavioural factors associated with consumption of sweetened beverages among adults in Cambridgeshire, UK: findings from the Fenland Study”**

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**Supplemental Figure 1.** Distributions of consumption of sugar-sweetened beverages and artificially-sweetened beverages.

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| **Supplemental Table 1.** Associations of demographic and socioeconomic characteristics with daily consumption of sweetened beverages: sensitivity analysis | | | | | | | |
| **Variable** | **Unit or comparison\*** | **Odds ratios (95% confidence intervals) of habitual consumption†** | | | | | |
| **Sugar-sweetened beverages** | | | **Artificially-sweetened beverages** | | **Both types||** |
| **≥1 serving/day‡** | **≥3 serving/day** | **≥1 serving/day not including fruit squash/cordial§** | **≥1 serving/day‡** | **≥3 serving/day** | **≥1 serving/day** |
| N positive outcome (%) | | 2041 (20.4%) | 292 (2.9%) | 129 (1.3%) | 893 (8.9%) | 89 (0.9%) | 307 (3.1%) |
| Age | per 10 years | 0.57 (0.52, 0.61) | 0.43 (0.36, 0.52) | 0.55 (0.42, 0.73) | 0.74 (0.66, 0.82) | 0.89 (0.64, 1.23) | 0.63 (0.52, 0.75) |
| Sex | Men / Women | 1.33 (1.17, 1.50) | 1.22 (0.91, 1.63) | 1.21 (0.79, 1.87) | 0.66 (0.56, 0.79) | 0.79 (0.47, 1.32) | 0.77 (0.58, 1.03) |
| Test site | Ely / Cambridge | 1.42 (1.23, 1.63) | 2.13 (1.48, 3.06) | 1.14 (0.66, 1.97) | 1.42 (1.16, 1.73) | 1.83 (0.92, 3.63) | 1.48 (1.03, 2.10) |
| Wisbech | 1.52 (1.31, 1.77) | 2.12 (1.44, 3.11) | 1.54 (0.91, 2.61) | 1.81 (1.46, 2.23) | 2.86 (1.43, 5.73) | 2.23 (1.56, 3.19) |
| Ethnicity | Non-white/Whites | 0.40 (0.25, 0.65) | 0.34 (0.08, 1.41) | 0.42 (0.06, 3.17) | 0.45 (0.21, 0.97) | Not estimable | 0.65 (0.20, 2.07) |
| Age of finishing education | 17-19 y / ≤16 y | 0.93 (0.82, 1.06) | 0.95 (0.71, 1.27) | 0.86 (0.56, 1.33) | 0.92 (0.78, 1.09) | 0.86 (0.51, 1.44) | 0.85 (0.65, 1.12) |
| 20-23 y | 0.72 (0.61, 0.84) | 0.64 (0.43, 0.96) | 0.23 (0.10, 0.56) | 0.54 (0.43, 0.68) | 0.52 (0.25, 1.07) | 0.50 (0.34, 0.75) |
| 24 or older | 0.52 (0.41, 0.64) | 0.50 (0.27, 0.91) | 0.39 (0.15, 1.05) | 0.43 (0.31, 0.61) | 0.35 (0.10, 1.21) | 0.29 (0.15, 0.58) |
| Social class | Middle / high | 1.02 (0.88, 1.19) | 1.06 (0.73, 1.52) | 1.10 (0.59, 2.02) | 1.16 (0.96, 1.41) | 0.74 (0.38, 1.43) | 1.02 (0.73, 1.41) |
| Lower | 1.15 (1.00, 1.32) | 1.49 (1.08, 2.06) | 2.25 (1.35, 3.74) | 0.98 (0.80, 1.20) | 1.48 (0.83, 2.62) | 1.14 (0.83, 1.57) |
| Current work status | Part- / full-time | 1.13 (0.97, 1.32) | 0.83 (0.56, 1.23) | 0.85 (0.46, 1.55) | 0.77 (0.62, 0.95) | 1.04 (0.52, 2.05) | 0.93 (0.65, 1.32) |
| Housekeep | 1.02 (0.84, 1.23) | 1.04 (0.67, 1.60) | 1.55 (0.85, 2.83) | 0.86 (0.67, 1.10) | 2.00 (1.03, 3.89) | 1.18 (0.81, 1.74) |
| Not working | 1.07 (0.88, 1.31) | 1.38 (0.90, 2.13) | 1.57 (0.88, 2.79) | 0.87 (0.65, 1.16) | 2.06 (1.02, 4.15) | 1.01 (0.63, 1.63) |
| Job status | Self-employed | 0.98 (0.86, 1.11) | 1.17 (0.87, 1.56) | 0.83 (0.52, 1.32) | 0.85 (0.70, 1.02) | 0.59 (0.32, 1.10) | 0.82 (0.60, 1.12) |
| Household income | £20k-40k / <£20k | 0.82 (0.69, 0.96) | 0.85 (0.59, 1.23) | 0.63 (0.39, 1.03) | 1.30 (1.01, 1.67) | 1.00 (0.50, 2.00) | 1.57 (1.04, 2.36) |
| >£40k | 0.76 (0.63, 0.91) | 0.74 (0.49, 1.13) | 0.54 (0.30, 0.96) | 1.53 (1.16, 2.00) | 1.87 (0.89, 3.93) | 1.44 (0.92, 2.26) |
| Marital status | Married | 0.98 (0.76, 1.25) | 1.17 (0.67, 2.06) | 1.36 (0.63, 2.93) | 1.05 (0.71, 1.53) | 4.06 (0.86, 19.1) | 0.85 (0.47, 1.55) |
| Other | 0.97 (0.73, 1.30) | 1.04 (0.52, 2.05) | 1.60 (0.69, 3.68) | 1.13 (0.74, 1.73) | 1.84 (0.33, 10.3) | 1.12 (0.57, 2.20) |
| N household members | 2 / 1 people | 1.26 (0.99, 1.61) | 1.20 (0.67, 2.16) | 1.02 (0.49, 2.15) | 1.06 (0.75, 1.50) | 0.39 (0.15, 1.02) | 1.13 (0.62, 2.06) |
| 3 people | 1.67 (1.30, 2.14) | 1.64 (0.92, 2.92) | 1.31 (0.62, 2.75) | 1.08 (0.75, 1.54) | 0.52 (0.20, 1.37) | 1.46 (0.80, 2.67) |
| ≥4 people | 1.44 (1.12, 1.85) | 1.18 (0.66, 2.13) | 0.53 (0.23, 1.20) | 1.04 (0.73, 1.49) | 0.37 (0.14, 0.98) | 1.46 (0.80, 2.69) |
| Owning car | No / yes | 1.13 (0.89, 1.42) | 1.07 (0.62, 1.84) | 1.23 (0.60, 2.52) | 1.45 (0.99, 2.11) | 0.90 (0.36, 2.25) | 1.18 (0.65, 2.14) |
| Owning home | No / yes | 1.43 (1.08, 1.88) | 1.02 (0.58, 1.79) | 0.61 (0.31, 1.19) | 1.09 (0.73, 1.64) | 0.59 (0.22, 1.60) | 1.49 (0.73, 3.03) |

**\*** For categorical variables, strata for a numerator and a denominator of odds ratios are presented (at the first row for categories with >2 levels).  
**†** Multivariable-adjusted models included covariates listed on the first column, as conducted in the analysis for Table 3.‡ These results are presented in Table 3, shown here for comparison.  
**§** In 2013, 73% of dilutables were sugar free or low sugar (British Soft Drinks Associations, annual report 2014) and there may be significant misclassification error (and bias) as a result of not knowing if fruit squash/cordial were artificially-sweetened or sugar-sweetened beverages.

|| The positive status for the outcome represented adults consuming ≥1 serving/day of sugar-sweetened beverages and ≥1 serving/day of artificially-sweetened beverages.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplemental Table 2.** Associations of lifestyle characteristics with daily consumption of sweetened beverages: sensitivity analysis | | | | | | | |
| **Variable** | **Unit or comparison\*** | **Odds ratios (95% confidence intervals) of habitual consumption†** | | | | | |
| **Sugar-sweetened beverages** | | | **Artificially-sweetened beverages** | | **Both types||** |
| **≥1 serving/day‡** | **≥3 serving/day** | **≥1 serving/day not including fruit squash/cordial§** | **≥1 serving/day‡** | **≥3 serving/day** | **≥1 serving/day** |
| N positive outcome (%) | | 2041 (20.4%) | 292 (2.9%) | 129 (1.3%) | 893 (8.9%) | 89 (0.9%) | 307 (3.1%) |
| BMI, kg/m2 | 25 to 30 / <25 | 1.17 (1.04, 1.33) | 1.26 (0.93, 1.71) | 1.18 (0.74, 1.89) | 1.92 (1.58, 2.34) | 1.73 (0.93, 3.25) | 1.89 (1.37, 2.60) |
|  | ≥30 and <35 | 1.58 (1.35, 1.85) | 1.53 (1.05, 2.22) | 1.44 (0.83, 2.48) | 3.09 (2.47, 3.86) | 1.80 (0.88, 3.69) | 3.09 (2.15, 4.44) |
|  | ≥35 | 1.62 (1.30, 2.02) | 2.74 (1.78, 4.22) | 2.23 (1.19, 4.19) | 4.51 (3.44, 5.92) | 3.55 (1.66, 7.60) | 3.45 (2.20, 5.41) |
| Smoking status | Former / never | 0.97 (0.87, 1.09) | 0.95 (0.72, 1.26) | 1.05 (0.67, 1.64) | 1.06 (0.90, 1.24) | 1.70 (1.04, 2.78) | 0.91 (0.69, 1.18) |
|  | Current | 0.79 (0.66, 0.93) | 1.15 (0.81, 1.64) | 1.35 (0.83, 2.20) | 0.98 (0.77, 1.24) | 1.46 (0.76, 2.81) | 0.90 (0.62, 1.31) |
| Sedentary time | per 2 hours | 0.96 (0.91, 1.02) | 0.94 (0.82, 1.08) | 0.76 (0.62, 0.93) | 0.93 (0.86, 1.01) | 1.07 (0.84, 1.36) | 0.95 (0.83, 1.09) |
| Physical activity | per 2 hours | 1.13 (1.02, 1.26) | 1.00 (0.79, 1.26) | 0.78 (0.55, 1.11) | 1.01 (0.86, 1.18) | 1.13 (0.72, 1.79) | 1.18 (0.93, 1.50) |
| Alcoholic beverage | per serving | 0.92 (0.87, 0.97) | 0.98 (0.87, 1.10) | 0.90 (0.74, 1.09) | 1.02 (0.95, 1.09) | 0.73 (0.54, 0.99) | 0.98 (0.87, 1.12) |
| MDP score § | per 2 points | 1.01 (0.96, 1.07) | 0.98 (0.87, 1.10) | 0.83 (0.69, 1.00) | 0.99 (0.92, 1.06) | 0.79 (0.63, 0.99) | 1.07 (0.95, 1.20) |
| Weight-loss diet | Yes / no | 1.07 (0.86, 1.33) | 1.14 (0.70, 1.86) | 0.82 (0.34, 1.95) | 2.58 (2.05, 3.24) | 4.28 (2.39, 7.65) | 2.05 (1.42, 2.96) |
| Dietary habits / week |  |  |  |  |  |  |  |
| Breakfast | 1-2 times / 0**\*** | 1.00 (0.80, 1.25) | 0.59 (0.36, 0.95) | 0.70 (0.40, 1.22) | 0.95 (0.70, 1.27) | 1.25 (0.61, 2.58) | 1.13 (0.71, 1.79) |
|  | 3-5 times | 0.87 (0.71, 1.08) | 0.61 (0.39, 0.97) | 0.41 (0.21, 0.77) | 0.84 (0.63, 1.11) | 0.82 (0.37, 1.78) | 0.83 (0.52, 1.32) |
|  | >5 times | 0.88 (0.74, 1.05) | 0.68 (0.48, 0.98) | 0.35 (0.21, 0.57) | 0.69 (0.55, 0.88) | 0.53 (0.28, 1.01) | 0.82 (0.56, 1.20) |
| Takeaway meals | 1-2 times / 0**\*** | 1.15 (1.02, 1.30) | 0.98 (0.74, 1.30) | 1.25 (0.82, 1.91) | 1.19 (1.00, 1.41) | 1.43 (0.86, 2.36) | 1.41 (1.08, 1.85) |
|  | ≥3 times | 1.00 (0.80, 1.24) | 1.14 (0.71, 1.83) | 1.51 (0.79, 2.88) | 0.98 (0.71, 1.35) | 1.28 (0.54, 3.04) | 0.96 (0.56, 1.63) |
| Ready-made | 1-2 times / 0**\*** | 1.13 (1.00, 1.28) | 1.07 (0.80, 1.42) | 1.34 (0.87, 2.05) | 1.16 (0.97, 1.37) | 1.57 (0.93, 2.66) | 0.92 (0.69, 1.23) |
|  | ≥3 times | 1.21 (0.93, 1.56) | 0.99 (0.55, 1.80) | 1.56 (0.74, 3.29) | 1.19 (0.84, 1.69) | 1.83 (0.74, 4.52) | 1.32 (0.77, 2.28) |
| Eating outside | Once / <1 | 1.10 (0.87, 1.38) | 0.94 (0.58, 1.53) | 1.07 (0.59, 1.95) | 0.82 (0.61, 1.10) | 0.89 (0.43, 1.85) | 1.11 (0.68, 1.81) |
|  | ≥2 times | 1.00 (0.77, 1.28) | 0.92 (0.54, 1.57) | 0.96 (0.48, 1.93) | 0.73 (0.53, 1.02) | 0.73 (0.31, 1.73) | 0.78 (0.45, 1.36) |
| Eating with TV | Once / <1 | 0.90 (0.79, 1.02) | 0.84 (0.61, 1.15) | 0.70 (0.43, 1.16) | 1.08 (0.91, 1.29) | 1.20 (0.71, 2.03) | 0.88 (0.66, 1.17) |
|  | 2-4 times | 0.89 (0.73, 1.09) | 0.93 (0.58, 1.50) | 1.31 (0.70, 2.47) | 1.05 (0.79, 1.40) | 2.36 (1.17, 4.76) | 0.51 (0.28, 0.92) |
|  | ≥5 times | 1.08 (0.91, 1.28) | 1.12 (0.73, 1.70) | 0.72 (0.32, 1.64) | 0.99 (0.77, 1.28) | 1.57 (0.64, 3.84) | 0.99 (0.64, 1.52) |
| Snacking with TV | Occasionally/0**\*** | 1.16 (1.01, 1.33) | 1.19 (0.85, 1.68) | 1.26 (0.73, 2.16) | 1.16 (0.95, 1.42) | 1.66 (0.80, 3.43) | 1.44 (1.04, 1.98) |
|  | Usually/always | 1.19 (1.03, 1.36) | 1.35 (0.97, 1.87) | 1.39 (0.83, 2.31) | 1.29 (1.06, 1.57) | 2.55 (1.29, 5.01) | 1.24 (0.90, 1.73) |

Abbreviations**:** BMI, bodymass index; TV, television.  
\* For categorical variables, strata for a numerator and a denominator of odds ratios are presented (at the first row for categories with >2 levels). “0” of dietary habits represents a category of “never or rarely”.  
**†** Multivariable-adjusted models included covariates listed on the first column, as conducted in the analysis for Table 3.‡ These results are presented in Table 3, shown here for comparison.   
**§** In 2013, 73% of dilutables were sugar free or low sugar (British Soft Drinks Associations, annual report 2014) and there may be significant misclassification error (and bias) as a result of not knowing if fruit squash/cordial were artificially-sweetened or sugar-sweetened beverages.

|| The positive status for the outcome represented adults consuming ≥1 serving/day of sugar-sweetened beverages and ≥1 serving/day of artificially-sweetened beverages.