Supplemental Table 1: Analytic sample size and characteristics of non-pregnant, non-lactating US adults, 2007–2010 and 2011–2014.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Survey Periods | 2007–2010 | | 2011–2014 | |
|  | Percent1 | Total: n2 | Percent1 | Total: n2 |
| Race/Hispanic origin |  | 10998 |  | 9678 |
| NH white | 69.7% | 5277 | 66.1% | 4007 |
| NH black | 11.3% | 2126 | 11.4% | 2243 |
| NH Asian3 | -- | -- | 4.2% | 1110 |
| Hispanic | 13.2% | 3095 | 14.6% | 2029 |
| Other4 | 5.7% | 500 | 2.7% | 289 |
| Missing |  | 0 |  | 0 |
| Nativity status |  | 10995 |  | 9671 |
| US-born | 83.7% | 8170 | 83.2% | 6959 |
| Born outside 50 US states or Washington, DC | 16.3% | 2825 | 16.8% | 2712 |
| Missing |  | 3 |  | 7 |
| Age category |  | 10998 |  | 9678 |
| 20-39 years | 36.3% | 3502 | 35.2% | 3301 |
| 40-59 years | 39.1% | 3650 | 37.9% | 3309 |
| 60+ years | 24.6% | 3846 | 26.8% | 3068 |
| Missing |  | 0 |  | 0 |
| Federal income to poverty ratio |  | 10001 |  | 8958 |
| ≤130% | 21.7% | 3181 | 25.0% | 3089 |
| 131%–350% | 35.0% | 3839 | 34.1% | 3093 |
| >350% | 43.3% | 2981 | 40.9% | 2776 |
| Missing |  | 997 |  | 720 |
| Education |  | 10981 |  | 9672 |
| Less than high school | 19.4% | 3251 | 15.6% | 2104 |
| High school graduate | 24.2% | 2613 | 21.2% | 2123 |
| Some college or associates degree | 30.3% | 2966 | 32.9% | 2984 |
| College graduate or above | 26.1% | 2151 | 30.2% | 2461 |
| Missing |  | 17 |  | 6 |
| Use home water treatment5 |  | 10906 |  |  |
| Yes | 33.1% | 2884 | -- | -- |
| No | 66.9% | 8022 | -- | -- |
| Missing |  | 92 |  | -- |

Data are from NHANES (23). 1Weighted estimate. 2Unweighted sample size. 3Asian oversample began in 2011–2012; 4Other ethnicity included Asians in 2007–2010, but not afterward and is included in overall calculations, but not shown in analyses. 5This question was not collected after 2009–2010.

Supplemental Table 2: Percent of US adults who used water treatment by sociodemographic characteristics, 2007–20101,2

|  |  |
| --- | --- |
|  | Used Water Treatment7 |
|  | % ±SE |
| Total | 33.1 ±1.7 |
| Plain water |  |
| Yes | 35.7 ±1.7 |
| No | 24.2 ±2.0 |
| P-value4 | < 0.001 |
| Tap water3 |  |
| Yes | 41.4 ±2.0 |
| No | 24.5 ±1.8 |
| P-value4 | < 0.001 |
| Bottled water3 |  |
| Yes | 28.6 ±2.0 |
| No | 35.4 ±1.8 |
| P-value4 | < 0.001 |
| Race/Hispanic origin5 |  |
| NH white | 38.9 ±2.4 |
| NH black | 11.5 ±1.4 |
| Hispanic | 18.9 ±1.3 |
| P-value4 | < 0.001 |
| Nativity status |  |
| US-born | 34.0 ±2.0 |
| Born outside 50 US states or Washington, DC | 28.4 ±2.3 |
| P-value4 | 0.10 |
| Federal income to poverty ratio |  |
| ≤130% | 18.1 ±1.7 |
| 131%-350% | 29.0 ±2.1 |
| >350% | 43.9 ±2.4 |
| P-value6 | < 0.001 |
| Education |  |
| Less than high school | 17.3 ±1.9 |
| High school graduate | 31.1 ±2.5 |
| Some college or associates degree | 35.6 ±2.1 |
| College graduate or above | 43.8 ±1.9 |
| P-value6 | < 0.001 |

1Sample sizes and missing values described in Supplemental Table 1. 2All estimates are weighted. Data are from NHANES (23). 3Data from a single-24 hour dietary recall. 4P-value by adjusted Wald F test between mean differences of category (Joint test). 5Includes other race/Hispanic origin, but not shown. 6P-value for test of linear trend across the categories shown based on a linear/logistic regression. 7Water treatment devices include: carbon filters, fiber filters, reverse osmosis units, neutralizers, chemical feed pumps, disinfection and softeners, and pitcher water filters.

Supplemental Table 3: Multiple logistic regression of socio-demographic characteristics, water treatment, and water use, U.S. adults 2007–20101,2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | |  | |
|  | Drank plain water3,a | Drank plain water3,b | Drank tap water3,a | Drank tap water3,b | Drank bottled water3,a | | Drank bottled water3,b |
| Independent Variables4 | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | | OR (95% CI) |
| n2 | 10,978 | 10,886 | 10,978 | 10,886 | 10,978 | | 10,886 |
| Water treatment5 |  |  |  |  |  | |  |
| Use water treatment | --- | 1 | --- | 1 | --- | | 1 |
| No water treatment | --- | 0.60\*\* (0.51, 0.71) | --- | 0.55\*\* (0.47, 0.64) | --- | | 1.21\* (1.01, 1.44) |
| Race/Hispanic origin |  |  |  |  |  | |  |
| NH white | 1 | 1 | 1 | 1 | 1 | | 1 |
| NH black | 1.12 (0.97, 1.30) | 1.25\*\* (1.07, 1.45) | 0.58\*\* (0.49, 0.69) | 0.66\*\* (0.56, 0.79) | 1.85\*\* (1.60, 2.14) | | 1.78\*\* (1.52, 2.07) |
| Hispanic | 1.16 (0.95, 1.42) | 1.25\* (1.03, 1.52) | 0.55\*\* (0.40, 0.77) | 0.61\*\* (0.44, 0.83) | 1.94\*\* (1.46, 2.58) | | 1.89\*\* (1.42, 2.52) |
| Nativity status |  |  |  |  |  | |  |
| US-born | 1 | 1 | 1 | 1 | 1 | | 1 |
| Born outside 50 US states or Washington, DC | 1.20 (0.95, 1.53) | 1.18 (0.93, 1.48) | 0.78\* (0.62, 0.99) | 0.76\* (0.60, 0.96) | 1.54\*\* (1.23, 1.93) | | 1.53\*\* (1.22, 1.94) |
| Education |  |  |  |  |  | |  |
| Less than high school | 1 | 1 | 1 | 1 | 1 | | 1 |
| High school grad | 1.20\* (1.04, 1.39) | 1.14 (0.99, 1.33) | 1.13 (0.94, 1.37) | 1.07 (0.89, 1.28) | 1.10 (0.92, 1.32) | | 1.12 (0.94, 1.34) |
| Some college or associates degree | 1.53\*\* (1.28, 1.83) | 1.43\*\* (1.19, 1.71) | 1.34\*\* (1.12, 1.61) | 1.23\* (1.03, 1.46) | 1.23\* (1.02, 1.50) | | 1.26\* (1.04, 1.52) |
| College grad or above | 2.28\*\* (1.74, 2.98) | 2.06\*\* (1.58, 2.70) | 2.18\*\* (1.72, 2.76) | 1.94\*\* (1.54, 2.45) | 1.04 (0.86, 1.26) | | 1.08 (0.89, 1.30) |
| Age |  |  |  |  |  | |  |
| 20-39 years | 1 | 1 | 1 | 1 | 1 | | 1 |
| 40-59 years | 0.90 (0.78, 1.03) | 0.89 (0.77, 1.02) | 1.08 (0.94, 1.25) | 1.07 (0.92, 1.24) | 0.87 (0.74, 1.00) | | 0.87 (0.74, 1.02) |
| 60+ years | 1.17 (0.98, 1.39) | 1.14 (0.97, 1.35) | 1.52\*\* (1.27, 1.81) | 1.49\*\* (1.26, 1.76) | 0.66\*\* (0.55, 0.79) | | 0.67\*\* (0.56, 0.81) |
| Sex |  |  |  |  |  | |  |
| Male | 1 | 1 | 1 | 1 | 1 | | 1 |
| Female | 1.30\*\* (1.13, 1.48) | 1.30\*\* (1.13, 1.49) | 1.02 (0.92, 1.13) | 1.02 (0.91, 1.14) | 1.21\*\* (1.05, 1.39) | | 1.21\*\* (1.01, 1.44) |
|  |  |  |  |  |  | |  |

95% confidence intervals in parentheses

\*\* p<0.01, \* p<0.05

1All estimates are weighted. 2Sample sizes due to missing values as described in Supplemental Table 1. 3Data from 24-hour dietary recall. Data are from NHANES (23). 4All odds ratios presented are adjusted for the covariates listed in the models with the exception of water treatment unless otherwise indicated. aModel is unadjusted for water treatment. bModel is additionally adjusted for water treatment. 5Water treatment devices include: carbon filters, fiber filters, reverse osmosis units, neutralizers, chemical feed pumps, disinfection and softeners, and pitcher water filters.