**Supplementary Table 1. Demographic characteristics by experimental condition across experiments**

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|  | **Caffeine experiment among adults****(n=1,041)** | **Sweetener experiment** |
|  | **Adults****(n=1,067)** | **Youth** **(n=1,790)** |
|  | **No disclaimer (control)****(n=505)** | **Caffeine disclaimer****(n=536)** | **P valuea** | **No disclaimer (control)****(n=531)** | **Sweetener disclaimer****(n= 536)** | **P valuea** | **No disclaimer (control)****(n=917)** | **Sweetener disclaimer****(n= 873)** | **P valuea** |
| **Sex, n(%)** |  |  | 0.388 |  |  | 0.560 |  |  | 0.494 |
| Male | 239 (47.3) | 268 (50.0) | 273 (51.4) | 266 (49.6) | 501 (54.6) | 491 (56.2) |
| Female | 266 (52.7) | 268 (50.0) | 258 (48.6) | 270 (50.4) | 416 (45.4) | 382 (43.8) |
| **Ethnicity,\* n(%)** |  |  | 0.862 |  |  | 0.270 |  |  | **0.036** |
| Non-indigenous | 411 (82.9) | 438 (83.3) | 433 (83.0) | 446 (85.4) | 774 (85.8) | 755 (89.1) |
| Indigenous | 85 (17.1) | 88 (16.7) | 89 (17.1) | 76 (14.6) | 128 (14.2) | 92 (10.9) |
| **Age group, n(%)** |  |  | 0.295 |  |  | 0.952 |  |  | 0.141 |
| 10-13 y | -- | -- | -- | -- | 445 (48.5) | 454 (52.0) |
| 14-17 y | -- | -- | -- | -- | 472 (51.5) | 419 (48.0) |
| 18-29 y | 158 (31.3) | 172 (32.1) | 166 (31.3) | 164 (30.6) | -- | -- |
| 30-39 y | 145 (28.7) | 124 (23.1) | 132 (24.9) | 143 (26.7) | -- | -- |
| 40-49 y | 106 (21.0) | 120 (22.4) | 114 (21.5) | 114 (21.3) | -- | -- |
| 50-59 y | 72 (14.3) | 92 (17.2) | 87 (16.4) | 87 (16.2) | -- | -- |
| 60 y and over | 24 (4.8) | 28 (5.2) | 32 (6.0) | 28 (5.2) | -- | -- |
| **Education level,\* n(%)** |  |  | 0.234 |  |  | 0.601 |  |  |  |
| Low | 135 (26.8) | 119 (22.2) | 115 (21.7) | 104 (19.44) |  |  |
| Medium | 63 (12.5) | 70 (13.1) | 74 (14.0) | 72 (13.5) |  |  |
| High | 306 (60.7) | 346 (64.7) | 341 (64.3) | 359 (67.1) |  |  |
| **Income adequacy,\* n(%)** |  |  | 0.959 |  |  | 0.830 |  |  | 0.533 |
| Very difficult/Difficult | 242 (49.6) | 269 (49.2) | 264 (50.5) | 260 (49.0) | 323 (35.4) | 317 (36.6) |
| Neither easy nor difficult | 193 (38.8) | 200 (37.9) | 190 (36.3) | 195 (36.8) | 381 (41.8) | 340 (39.2) |
| Easy/Very easy | 63 (12.7) | 68 (12.9) | 69 (13.2) | 76 (14.1) | 208 (22.8) | 210 (24.2) |
| **Nutrition knowledge,\* n(%)** |  |  | **0.008** |  |  | 0.085 | -- | -- | -- |
| Not at all or a little knowledgeable | 144 (28.6) | 189 (35.3) | 181 (34.1) | 181 (33.8) | -- | -- | -- |
| Somewhat knowledgeable | 286 (56.9) | 296 (55.3) | 266 (50.1) | 293 (54.8) | -- | -- | -- |
| Very or extremely knowledgeable | 73 (14.5) | 50(9.35) | 84 (15.8) | 61 (11.4) | -- | -- | -- |
| **Nutrition knowledge,\* mean (SD)** | -- | -- | -- | -- | -- | -- | 6.90 (1.88) | 6.83 (1.93) | 0.439 |
| **Food shopping in your household, n(%)** |  |  | 0.403 |  |  | 0.406 |  |  | -- |
| Most  | 359 (71.1) | 385 (71.8) | 391 (73.6) | 373 (69.6) | -- | -- |
| Share equally | 106 (21.0) | 103 (19.2) | 97 (18.3) | 119 (22.2) | -- | -- |
| Some  | 35 (6.9) | 36 (6.7) | 36 (6.8) | 35 (6.5) | -- | -- |
| None | 5 (1.0) | 12 (2.2) | 7 (1.3) | 9 (1.7) | -- | -- |
| **Frequency of using nutrition information,\* n(%)** |  |  | 0.923 |  |  | 0.248 |  |  | 0.533 |
| Never/Rarely | 158 (31.6) | 172 (32.4) | 173 (33.1) | 178 (33.5) | 481 (52.9) | 433 (50.4) |
| Sometimes | 161 (32.2) | 173 (32.6) | 138 (26.4) | 162 (30.5) | 235 (25.9) | 230 (26.7) |
| Often/All the time | 181 (36.2) | 186 (35.0) | 211 (40.4) | 192 (36.1) | 193 (21.2) | 197 (22.9) |
| **BMI category, n(%)** |  |  | 0.845 |  |  | 0.283 |  |  | 0.995 |
| Underweight | 10 (1.98) | 7 (1.31) | 13 (2.5) | 7 (1.3) | 11 (1.1) | 10 (1.2) |
| Normal weight | 191 (37.8) | 205 (38.3) | 200 (37.7) | 194 (36.2) | 381 (43.7) | 354 (42.6) |
| Overweight | 145 (28.7) | 165 (30.8) | 167 (31.5) | 177 (33.0) | 214 (24.5) | 212 (25.5) |
| Obesity | 75 (14.9) | 75 (14.0) | 68 (12.8) | 86 (16.0) | 95 (10.9) | 88 (10.6) |
| Don’t know or no response | 84 (16.6) | 84 (15.7) | 83 (15.6) | 72 (13.4) | 171 (19.6) | 168 (20.2) |
| **Having a child in the household,\* n(%)** |  |  | 0.518 |  |  | 0.281 |  |  | -- |
| No | 336 (61.9) | 352 (63.8) | 371 (68.7) | 357 (65.6) | -- | -- |
| Yes | 207 (38.1) | 200 (36.2) | 169 (31.3) | 187 (34.4) | -- | -- |
| **Disclaimer awareness,\* n(%)** |  |  | 0.575 |  |  | 0.664 |  |  | 0.265 |
| Never/Don’t know | 80 (15.8) | 92 (17.2) | 87 (16.4) | 83 (15.5) | 90 (19.1) | 76 (18.1) |
| Rarely | 96 (19.0) | 101 (18.9) | 98 (18.5) | 95 (17.7) | 54 (11.4) | 69 (16.5) |
| Sometimes | 131 (25.9) | 148 (27.7) | 159 (29.9) | 165 (30.8) | 155 (32.8) | 125 (29.8) |
| Frequently | 134 (26.5) | 143 (26.7) | 126 (23.7) | 143 (26.7) | 118 (25.0) | 97 (23.2) |
| All the time | 64 (12.7) | 51 (9.5) | 61 (11.5) | 50 (9.3) | 55 (11.7) | 52 (12.4) |
| **Disclaimer use\*, n(%)** |  |  | 0.563 |  |  | 0.099 |  |  | 0.392 |
| Never/Don’t know | 49 (11.5) | 59 (13.3) | 51 (11.5) | 40 (8.8) | 56 (14.7) | 56 (16.3) |
| Rarely | 90 (21.2) | 79 (17.8) | 104 (23.4) | 111 (24.5) | 86 (22.5) | 90 (26.2) |
| Sometimes | 129 (30.4) | 147 (33.2) | 119 (26.8) | 153 (33.8) | 136 (35.6) | 100 (29.2) |
| Frequently | 117 (27.5) | 112 (25.3) | 123 (27.7) | 114 (25.2) | 71 (18.6) | 70 (20.4) |
| All the time | 40 (9.4) | 46 (10.4) | 47 (10.6) | 35 (7.7) | 33 (8.6) | 27 (7.9) |
| **Boys and girls should not consume foods or drinks with sweeteners\*, n(%)** |  |  | 0.363 |  |  | **0.010** |  |  | 0.383 |
| Strongly agree/Agree | 398 (79.1) | 439 (82.2) | 409 (77.0) | 450 (84.1) | 317 (67.5) | 279 (67.1) |
| Neither agree nor disagree | 66 (13.1) | 64 (12.0) | 83 (15.6) | 53 (9.9) | 105 (22.3) | 104 (25.0) |
| Disagree/Strongly disagree | 39 (7.8) | 31 (5.8) | 39 (7.3) | 32 (6.0) | 48 (10.2) | 33 (7.9) |

a Pearson χ2 tests were calculated to determine differences by participants’ characteristics.

\*Smaller sample sizes are presented due to missing information