**Mapping of outdoor food and beverage advertising around primary and secondary schools in Kampala city, Uganda**

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Supplementary Table 1. Density (per 100 m2) of food and beverage advertisements (total and by major food categories) by school characteristics (n=25), median (25-, 75-percentiles)

|  |  |  |
| --- | --- | --- |
|  |  Total food ads | Major food categories |
| *School characteristics*  | Unhealthy | Healthy | Miscellaneous |
| *School area* |  |  |  |  |
|  Urban areas (*n* = 13) | 2.3 (1.7, 3.4) |  1.9 (1.5, 2.5) | 0.2 (0.2, 0.3) |  0.05 (0.05, 0.15) |
|  Peri-urban areas (*n* =12) | 1.2 (0.8, 2.6) |  1.1 (0.7, 2.3) | 0.05 (0, 0.1) | 0.05 (0, 0.2) |
|  p-valuesa | 0.077 | 0.11 | 0.005 | 0.73 |
| *School fee level* |  |  |  |  |
|  Low (*n* = 9) | 2.3 (1.7, 2.7) |  1.8 (1.5, 2.3) | 0.2 (0.2, 0.3) |  0.05 (0.05, 0.4) |
|  Medium (*n* = 8) | 2.2 (1.1, 3.2) |  1.9 (1.1, 2.8) | 0.1 (0.03, 0.3) |  0.1 (0.05, 0.2) |
|  High (*n* = 8) | 1.7 (1.1, 2.3) |  1.6 (1.0, 2.1) | 0.1 (0.05, 0.2) |  0.03 (0, 0.2) |
|  p-valuesb |  0.69 |  0.75 |  0.33 |  0.41 |
| *School type* |  |  |  |  |
|  Primary (*n* = 13) |  2.1 (1.7, 3.0) |  1.9 (1.5, 2.3) | 0.2 (0.05, 0.3) |  0.1 (0.05, 0.4) |
|  Secondary (*n* = 12) |  1.5 (0.9, 2.7) |  1.4 (0.8, 2.5) | 0.10 (0.05, 0.2) | 0.05 (0, 0.2) |
|  p-valuesa |  0.29 |  0.47 | 0.27 | 0.25 |
| *School category* |  |  |  |  |
|  Public (*n* = 9) |  2.3 (1.7, 3.4) |  2.0 (1.5, 2.5) | 0.2 (0.2, 0.3) | 0.05 (0.05, 0.2) |
|  Private (*n* = 16) |  1.9 (1.1, 2.6) |  1.7 (1.0, 2.3) | 0.1 (0.03, 0.2) | 0.08 (0.0, 0.2) |
|  p-valuesa | 0.56 |  0.56 | 0.084 | 0,85 |
| Total |  2.0 (1.1, 2.8) |  1.8 (1.0, 2.4) | 0.1 (0.05, 0.3) | 0.05 (0, 0.2) |

aDifferences between groups measured with Mann-Whitney U test

bDifferences between groups measured with Kruskal Wallis test

Supplementary Table 2. Advertisements per school and by its respective city division

Number and percent by major food category (unhealthy, healthy, miscellaneous) and by minor food category code (the type of food product promoted most frequently promoted around the respective school code, and the respective percentage).

|  |  |  |  |
| --- | --- | --- | --- |
| **Schools Code** | **Total food ads**n (%)c | **Major food categories** d | **The most promoted food (and % it accounted for)**e |
| **Unhealthy**n (%) | **Healthy**n % | **Miscellaneous**n(%) |
| **Urban area** |  |  |  |  |  |
| 1a | 45 (4) | 39 (87) |  5 (11) | 1 (2) | SSB (62) |
| 2a | 41 (4) | 39 (93) | 3 (7) | 0 (0) | SSB (46) |
| 3a | 33 (3) | 29 (88) | 3 (9) | 1 (3) | SSB (55) |
| 4a | 35 (3) | 30 (86) | 3 (9) | 2 (6) | SSB (54) |
| 5a | 71 (7) | 46 (65) | 15 (21) | 10 (14) | SSB (24) |
| 6a | 51 (5) | 36 (71) | 4 (9) | 11 (22) | SSB (55) |
| 7a | 110 (11) | 102 (93) | 5 (4) | 4 (4) | SSB (53) |
| 8b | 34 (3) | 29 (85) |  4 (12) | 1 (3) | SSB (56) |
| 9b | 26 (3) | 24 (92) | 2 (8) | 0 (0) | SSB (42) |
| 10b | 53 (5) | 50 (94) | 3 (6) | 0 (0) | SSB (53) |
| 11b | 67 (6) | 60 (90) | 5 (7) | 2 (3) | SSB (52) |
| 12b | 71 (7) | 61 (87) |  7 (10) | 3 (4) | SSB (48) |
| 13­­­­­b | 14 (1) | 11 (79) |  2 (14) | 1 (7) | SSB (43) |
| **Peri-urban area** |  |  |  |  |  |
| 14a | 40 (4) | 37 (93) |  0 (0) | 3 (7) | SSB (58) |
| 15a | 58 (6) | 45 (78) |  6 (10) |  7 (12) | SSB (57) |
| 16a | 79 (8) | 65 (82) | 7 (9) | 7 (9) | SSB (42) |
| 17a | 10 (1) |  9 (90) |  1 (10) | 0 (0) | SSB (60) |
| 18a | 20 (2) | 19 (95) | 1 (5) | 0 (0) | SSB (80) |
| 19a | 24 (2) | 23 (96) | 0 (0) | 1 (4) | AB (54) |
| 20b |  5 (0.5) |  4 (80) |  1 (20) | 0 (0) | Sweets/SSB (40) |
| 21b |  1 (0.1) | 0 (0) | 0 (0) |  1 (100) | Condiments (100) |
| 22b | 24 (2) | 19 (79) | 2 (8) |  3 (13) | SSB (71) |
| 23b | 20 (2) | 19 (95) | 1 (5) | 0 (0) | SSB (55) |
| 24b | 53 (5)  | 50 (94) | 0 (0) | 3 (6) | AB (43) |
| 25b | 49 (5) | 45 (92) | 3 (6) | 1 (2) | SSB (63) |
| **Total ads** | **1034 (100)** | **887** | **85** | **62** | **-** |

a Primary school; b Secondary school

c Total number of ads in the respective school

d Number (and percentage) of each major food category in the respective school.

e The most promoted minor food category (and the % it accounted for) in the respective school, according to the minor food categories defined in the INFORMAS Outdoor Advertising Protocol 39(pp27-28): Candies = minor food category number 21 (chocolate and candy); SSB= minor food category number 25 (sugar-sweetened beverages); AB= minor food category number 26 (alcoholic beverages); Condiments = minor food category number 27 (recipe additions).