Table S1 Children’s sweets and salty snacks intake vs home availability, parenting practices and health beliefs per age-group from the crude and adjusted multivariate logistic analysis

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Children’s sweet intake ≤ 4 times/week** | | | | | | |
|  |  | **Unadjusted** |  |  |  | **Adjusted** |  |
| **Age group**  **5.0-9.0 yrs** | **R2** | **ΟR(95%CI)** | **P** |  | **R2** | **ΟR(95%CI)** | **Padj\*\*** |
| **Home availability of sweets** |  |  |  |  |  |  |  |
| Always/often | Ref\* |  |  |  |  |  |  |
| Sometimes/rarely/never | 19.6% | 5.82(5.32, 6.36) | **< 0.001** |  | 28.9% | 4.76(4.31, 5.24) | **< 0.001** |
| **Allow to eat sweets** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 8.4% | 3.68(3.33, 4.07) | **< 0.001** |  | 22.7% | 3.28(2.93, 3.66) | **< 0.001** |
| **Reward with sweets** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 2.2% | 3.10(2.61, 3.70) | **< 0.001** |  | 18.6% | 2.54(2.10, 3.07) | **< 0.001** |
| **Health is determined destiny** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 0.8% | 1.55(1.36, 1.75) | **< 0.001** |  | 17.7% | 1.17(1.02, 1.34) | **0.026** |
| **Little power preventing disease** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 0.3% | 1.18(1.06, 1.32) | **0.003** |  | 17.6% | 0.99(0.87, 1.12) | 0.842 |
| **Choose to eat food I like without thinking** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 1.1% | 1.59(1.44, 1.76) | **< 0.001** |  | 18.3% | 1.58(1.41, 1.77) | **< 0.001** |
|  |  |  |  |  |  |  |  |
| **Age group** |  | **Unadjusted** |  |  |  | **Adjusted** |  |
| **10.0-12.0 yrs** | **R2** | **ΟR(95%CI)** | **P** |  | **R2** | **ΟR(95%CI)** | **Padj \*\*** |
| **Home availability of sweets** |  |  |  |  |  |  |  |
| Always/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 19.9% | 5.65(3.76, 8.48) | **< 0.001** |  | 39.2% | 4.75(2.99, 7.51) | **< 0.001** |
| **Allow to eat sweets** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 16.0% | 5.49(3.54, 8.52) | **< 0.001** |  | 33.4% | 3.67(2.24, 6.01) | **< 0.001** |
| **Reward with sweets** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 11.2% | 15.55(5.38, 44.93) | **< 0.001** |  | 33.5% | 12.79(3.56, 46.01) | **< 0.001** |
| **Health is determined by destiny** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 5.2% | 2.20(1.17, 3.50) | **0.012** |  | 28.1% | 0.90(0.48, 1.66) | 0.896 |
| **Little power preventing disease** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 8.3% | 4.12(2.44, 6.98) | **< 0.001** |  | 29.0% | 2.13(1.78, 3.86) | **0.012** |
| **Choose to eat food I like without thinking** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 9.4% | 3.37(2.08, 5.48) | **< 0.001** |  | 31.3% | 2.71(1.54, 4.76) | **0.001** |
|  |  |  |  |  |  |  |  |
|  | **Children’s salty intake ≤ 4 times/week** | | | | | | |
|  |  | **Unadjusted** |  |  |  | **Adjusted** |  |
| **Age group**  **5.0-9.0 yrs** | **R2** | **ΟR(95%CI)** | **P** |  | **R2** | **ΟR(95%CI)** | **Padj\*\*** |
| **Home availability of salty snacks** |  |  |  |  |  |  |  |
| Always/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 14.1% | 5.72(5.01, 6.54) | **< 0.001** |  | 29.6% | 6.89(5.90, 8.05) | **< 0.001** |
| **Allow to eat salty snacks** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 12.8% | 5.41(4.75, 6.15) | **< 0.001** |  | 23.6% | 3.49(3.04, 4.02) | **< 0.001** |
| **Reward with salty snacks** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 7.6% | 6.50(5.45, 7.76) | **< 0.001** |  | 21.3% | 4.21(3.44, 5.14) | **< 0.001** |
| **Health is determined by destiny** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 4.0% | 3.10(2.62, 3.66) | **< 0.001** |  | 19.1% | 2.16(1.80, 2.61) | **< 0.001** |
| **Little power preventing disease** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 3.8% | 2.60(2.22, 3.03) | **< 0.001** |  | 19.0% | 1.84(1.55, 2.19) | **< 0.001** |
| **Choose to eat food I like without thinking** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 4.2% | 2.76(2.39, 3.20) | **< 0.001** |  | 20.5% | 2.63(2.23, 3.11) | **< 0.001** |
|  |  | **Unadjusted** |  |  |  | **Adjusted** |  |
| **Age group**  **10.0-12.0 yrs** | **R2** | **ΟR(95%CI)** | **P** |  | **R2** | **ΟR(95%CI)** | **Padj \*\*** |
| **Home availability of salty snacks** |  |  |  |  |  |  |  |
| Always/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 11.9% | 4.52(2.75, 7.42) | **< 0.001** |  | 29.1% | 3.14(1.76, 5.57) | **< 0.001** |
| **Allow to eat salty snacks** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 11.3% | 4.44(2.71, 7.28) | **< 0.001** |  | 28.3% | 2.78(1.60, 4.81) | **< 0.001** |
| **Reward with salty snacks** |  |  |  |  |  |  |  |
| Very often/often | Ref |  |  |  |  |  |  |
| Sometimes/rarely/never | 10.6% | 8.91(4.19, 18.91) | **< 0.001** |  | 31.1% | 7.31(3.02, 17.72) | **< 0.001** |
| **Health is determined by destiny** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 4.0% | 2.80(1.45, 5.41) | **0.002** |  | 25.1% | 1.43(0.68, 3.0) | 0.345 |
| **Little power preventing disease** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 7.8% | 4.16(2.32, 7.45) | **< 0.001** |  | 26.3% | 2.34(1.22, 4.51) | **0.011** |
| **Choose to eat food I like without thinking** |  |  |  |  |  |  |  |
| Strongly agree/agree | Ref |  |  |  |  |  |  |
| Strongly disagree /disagree | 8.2% | 4.15(2.34,7.35) | **< 0.001** |  | 27.8% | 3.08(1.63, 5.85) | **0.001** |

OR- Odds Ratio; 95%CI- 95% Confidence Interval; R2 - Nagelkerke coefficient R2

In bold statistically significant P-values

Dependent variables children’s frequency of intake of sweets and salty snacks as the dichotomous variables (0 = > 4 times/week, 1= ≤ 4 times/week).

P- P-value derived from the crude logistic regression analysis

\*\*Padj- P-value from the multivariate regression model adjusted for children’s sex, BMI (z-score), country and maternal education.

\*Reference category