**Supplementary Table 1** Results of binary logistic regression analysis: risk factors versus SSBs consumption frequency (stratified by region)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Area | Model | Nagelkerke’s R2 | Variables | OR:95%CIa | ***P***-value**a** |
| Total | Change |
| Northern China | Model 1  | 0.084\* | 0.084\* | Gender  | 0.398 (0.212-0.746) | **0.004**  |
| (n=1062) | 　 |  |  | Region | n.s. | 　 |
|  |  |  |  | Family structure | 2.206 (1.102-4.413) | **0.025** |
|  | 　 | 　 | 　 | Household income per capita  | 2.030(1.144-3.601) | **0.016** |
|  | 　 | 　 | 　 | Father's education level | n.s. |  |
|  | 　 | 　 | 　 | Mother's education level | n.s. | 　 |
|  | 　 | 　 | 　 | Pocket money per month | 1.706(1.231-2.364) | **0.001** |
|  | Model 2 | 0.281\* | 0.197\* | Just want to drink SSBs  | n.s. |  |
|  |  |  |  | Deem SSBs not affect health  | 3.398 (2.132-5.413) | **<0.001**  |
|  |  |  |  | Drink SSBs as water  | 12.049(5.922-24.515) | **<0.001**  |
|  |  |  |  | Purchase SSBs in advance  | 3.280 (1.719-6.256) | **<0.001**  |
| Southern China | Model 1  | 0.178\* | 0.178\* | Gender  | n.s. |  |
| (n=404) | 　 |  |  | Region | 0.478 (0.249-0.917) | **0.026**  |
|  |  |  |  | Family structure | n.s. | 　 |
|  | 　 | 　 | 　 | Household income per capita  | n.s. |  |
|  | 　 | 　 | 　 | Father's education level | 0.379 (0.189-0.760) | **0.006**  |
|  | 　 | 　 | 　 | Mother's education level | n.s. | 　 |
|  | 　 | 　 | 　 | Pocket money per month | 1.621 (1.308-2.011) | **<0.001**  |
|  | Model 2 | 0.388\* | 0.210\* | Just want to drink SSBs  | 2.835 (1.447-5.552) | **0.002**  |
|  |  |  |  | Deem SSBs not affect health  | 1.989 (1.291-3.066) | **0.002**  |
|  |  |  |  | Drink SSBs as water  | 10.843 (5.027-23.388) | **<0.001**  |
|  |  |  |  | Purchase SSBs in advance  | n.s. |  |

n.s.: not significant

a: OR and *P* value in final model

\*: *P*<0.001