**Appendix**

Appendix Table A.1: Participant Perceptions of the Neighborhood Food Environment (N= 1,743)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Participants perceptions  | Strongly agree  | Agree | Neutral | Disagree | Strongly disagree |
|  | Percent | Frequency | Percent | Frequency | Percent | Frequency | Percent | Frequency | Percent | Frequency |
| Availability of large selection of affordable fresh fruits and vegetables | 29.16% | 506 | 39.71% | 689 | 15.39% | 267 | 11.59% | 201 | 4.15% | 72 |
| Plenty of opportunities to purchase fast food | 53.84% | 933 | 28.74% | 498 | 7.73% | 134 | 6.52% | 113 | 3.17% | 55 |
| Plenty of opportunities to purchase a healthy meal | 21.64% | 375 | 30.29% | 525 | 24.00% | 416 | 18.75% | 325 | 5.31% | 92 |
| Lack of public transportation limits food store choices  | 14.94% | 252 | 17.37% | 293 | 17.84% | 301 | 28.10% | 474 | 21.75% | 367 |
| Plenty of healthy snack choices available for purchase  | 19.41% | 335 | 35.23% | 608 | 18.95% | 327 | 19.64% | 339 | 6.78% | 117 |
| Plenty of opportunity for affordable healthy  | 15.8% | 274 | 31.16% | 541 | 21.66% | 376 | 22.87% | 397 | 8.53% | 148 |

Appendix Table A.2: Distribution of food environment variables on Likert scale (N= 1,743)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Participants perceptions  | 1 mile of less | More than 1 mile less than 5 miles | 5-10 miles | More than 10 miles |
|  | Percent | Frequency | Percent | Frequency | Percent | Frequency | Percent | Frequency |
| Distance from home of the place where most of the household grocery shopping is conducted | 27.19% | 474 | 35.92% | 626 | 19.33% | 337 | 17.56% | 306 |

Appendix Table A.3 Demographic Characteristics of SNAP Participants

|  |  |  |  |
| --- | --- | --- | --- |
| State | Percent Black | Percent White | Percent Hispanic (any race) |
| Indiana | 25.7% | 65.7% | 3.7% |
| Illinois | 25.7% | 34.2% | 4.7% |
| Missouri | 30.5% | 62.0% | 0.8% |
| Michigan | 32.3% | 42.8% | 2.6% |
| Minnesota | 17.6% | 35.0% | 2.4% |
| Wisconsin | 24.0% | 57.7% | 0.6% |

*Note: The SNAP participants characteristics were obtained from* [*https://fns-prod.azureedge.net/sites/default/files/resource-files/Characteristics2017.pdf*](https://fns-prod.azureedge.net/sites/default/files/resource-files/Characteristics2017.pdf)

Appendix Table A.4 Difference between food environment variables by region of residence

|  |  |  |  |
| --- | --- | --- | --- |
| State | Urban vs Rural | Urban vs Suburban | Rural vs Suburban |
| Availability of large selection of affordable fresh fruits and vegetables | -2.719\*\* | -0.448 | 1.459 |
| Plenty of opportunities to purchase fast food | -3.343\*\*\* | -0.604 | 1.702\* |
| Plenty of opportunities to purchase a healthy meal | -2.339\* | -0.445 | 1.261 |
| Lack of public transportation limits food store choices  | -0.924 | -1.047 | -0.331 |
| Plenty of healthy snack choices available for purchase  | -0.274 | 1.185 | 1.291 |
| Plenty of opportunity for affordable healthy food | -1.318 | 1.698\* | 2.503\*\* |
|  |  |  |  |
| Supermarkets or large superstores | -0.338 | 0.365 | 0.660 |
| Small grocery stores, bodegas or delis | 2.754\*\*\* | -1.727\*\* | -3.389\*\* |
| Convenience stores | -2.787\*\*\* | -1.712\* | 0.344 |
| Less than or equal to 5 miles | -14.436\*\*\* | -1.390 | 8.400\*\*\* |
| More than 5 miles | 14.436\*\*\* | 1.390 | -8.400\*\*\* |

\*, \*\*, \*\*\* p<0.1, p<0.05, p<0.001 significance. The values are the t-test results for the difference in the environmental variables between the regions of residence.