**S1 Table Characteristics of the participants within hotsopot and coldspot as compared with those residing outside of the clusters, Guangzhou, China, 2014.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristics** | **Hotspot** ***n*=103** | **Coldspot** ***n*=39** | **Outside of clusters*****n*=524** | ***P*-value** |
| **Age (yrs)** mean(SD) | 37.7(11.1) |  30.3(10.7) |  31.8(10.5) | <0.001 |
| **Monthly personal income**  median(interquartile range) | 3500(2000-5650) |  2000(0-5000) |  3500(2000-6000) | 0.088 |
| **Social support** mean(SD) | 39.6(8.3) |  36.1(7.7) |  37.8(8.2) | 0.045 |
| **Mean driving distances from the 10 test sites (kilometers)** mean(SD) | 6.7(0.9) |  8.3(1.5) |  10.1(5.0) | <0.001 |
| **Sex** *n* (%) |  |  |  | 0.020 |
|  Male  | 39(37.9) | 16(41.0) | 271(51.7) |  |
|  Female | 64(62.1) | 23(59.0) | 253(48.3) |  |
| **Marital status***n* (%)# |  |  |  |  0.003 |
|  Married/ Cohabiting | 78(76.5) | 19(50.0) | 316(61.0) |  |
|  Single  | 24(23.5) | 19(50.0) | 202 (39.0) |  |
| **Education status***n* (%) |  |  |  | 0.282 |
|  Primary school or below |  8(7.8) |  0(0.0) |  27(5.2) |  |
|  Secondary/High school |  40(38.8) |  12(30.8) |  196(37.4) |  |
|  College or above |  55(53.4) |  27(69.7) |  301(57.4) |  |
| **Employment status***n* (%)& |  |  |  |  0.028 |
|  Employed  |  74(73.3) |  23(67.6) |  412(82.4) |  |
|  Unemployed  |  17(16.8) |  9(26.5) |  66(13.2) |  |
|  Others  |  10(9.9) |  2(5.9) |  22(4.4) |  |
| **Migration status** *n* (%) |  |  |  | <0.001 |
|  Yes |  36(35.0) |  21(53.8) |  322(61.5) |  |
|  No  |  67(65.0) |  18(46.2) | 202 (38.5) |  |
| **Duration of living in Guangzhou***n* (%) |  |  |  | <0.001 |
|  Less than 1 year |  4(3.9) |  3(7.7) |  72(13.7) |  |
|  1-5 years |  16(15.5) |  17(43.6) |  144(27.5) |  |
|  More than 5 years |  83(80.6) |  19(48.7) |  308(58.8) |  |
| **Duration of living in current subdistrict***n* (%) |  |  |  | <0.001 |
|  Less than 1 year |  17(16.5) |  9(23.1) |  166(31.7) |  |
|  1-5 years |  31(30.1) |  21(53.8) | 167 (31.9) |  |
|  More than 5 years |  55(53.4) | 9 (23.1) |  191(36.5) |  |
| **Current sexual status** *n* (%)# & |  |  |  |  0.083 |
|  Yes |  58(62.4) |  16(41.0) |  258(55.8) |  |
|  No |  35(37.6) |  23(59.0) |  204(44.2) |  |
| **Risky sexual behaviors in the past 12 months** *n* (%) |  |  |  | 0.985 |
|  Yes | 25(24.3) |  10(25.6) | 127(24.2) |  |
|  No |  78(75.7) |  29(74.4) |  397(75.8) |  |
| **Alcohol use** *n* (%) |  |  |  | 0.646 |
|  Harmful level or High-risk drinking | 1(1.0) | 1(2.6) |  7(1.3) |  |
|  Hazardous level | 6(5.8) | 1(2.6) |  47(9.0) |  |
|  Low-risk drinking | 86(83.5) | 32(82.0) |  410(78.2) |  |
|  Non-drinks  | 10(9.7) | 5(12.8) |  60(11.5) |  |
| **District of residence** *n* (%) |  |  |  | <0.001 |
|  Yuexiu | 103(100.0) |  0(0.0) |  220(42.0) |  |
|  Tianhe  |  0(0.0) |  39(100.0) |  304(58.0) |  |

#: Eight and 65 participants refused to answer their marital status and sexual relationships, respectively.

&: Missing data for employment status, and sexual relationships in the past 12 months were 31 and5 cases.