**Title:** **Disaster preparedness among populations in Shenzhen, China with and without chronic disease**

**Table S1 Comparison of the characteristics of participants who were prepared and not prepared for disasters (n=2421)**

|  |  |  |
| --- | --- | --- |
|  | **Unprepared** | **Prepared** |
|  | **n** | **%** | **n** | **%** |
| **Sex** |  |  |  |  |
| Male | 1055 | 83.3 | 211 | 16.7 |
| Female | 985 | 85.3 | 170 | 14.7 |
|  | *χ2*=1.728, *P*=0.189 |
| **Age (years)** |  |  |  |  |
| 18–64 | 1999 | 85.1 | 351 | 14.9 |
| ≥ 65 | 50 | 70.4 | 21 | 29.6 |
|  | *χ2*=11.360, *P=0.001* |
| **Marital status** |  |  |  |  |
| Single or separated or divorced | 525 | 84.3 | 98 | 15.7 |
| Married or cohabiting | 1514 | 84.2 | 284 | 15.8 |
|  | *χ2* =0.001, *P* =0. 969 |
| **Level of education** |  |  |  |  |
| Primary School and below | 48 | 82.8 | 10 | 17.2 |
| Secondary School | 567 | 84.6 | 103 | 15.4 |
| College | 1343 | 84.9 | 238 | 15.1 |
| Master and above | 86 | 76.8 | 26 | 23.2 |
|  | *χ2*=5.442, *P*=0.142 |
| **Job status** |  |  |  |  |
| Student | 46 | 78.0 | 13 | 22.0 |
| Employed | 1781 | 85.1 | 313 | 14.9 |
| Retired | 118 | 73.8 | 42 | 26.2 |
| Unemployed | 96 | 88.9 | 12 | 11.1 |
|  | *χ2*=17.862, *P＜0.001* |
| **Income** (RMB)(1 RMB≈0.146USD) |  |  |  |  |
| <10000 | 277 | 86.6 | 43 | 13.4 |
| 10000–29999 |   | 82.6 | 189 | 17.4 |
| 30000–59999 | 654 | 85.2 | 114 | 14.8 |
| ≥ 60000 | 59 | 92.2 | 5 | 7.8 |
|  | *χ2*=7.058, *P*=0.070 |
| **Years of having lived in Shenzhen** |  |  |  |  |
| <2 | 141 | 88.1 | 19 | 11.9 |
| 2–5 | 379 | 86.1 | 61 | 13.9 |
| ≥ 5 | 1522 | 83.6 | 299 | 16.4 |
|  | *χ2*=3.607, *P*=0.165 |
| **Chronic disease** |  |  |  |  |
| None  | 1703 | 85.4a | 292 |  14.6a |
| 1 disease | 257 |  80.8b  | 61 | 19.2b |
| 2 diseases≥3 diseases  | 6220 | 75.6b 76.9a,b | 206 | 24.4b23.1a,b |
|  | *χ2*=10.387, *P*=0.016 |

a, b If there were the same letters, there was no statistical significance between the two groups.

**Table S2 At-home preparation and preparation of family members for disasters: stratified by age (n=2421)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Disaster preparedness:****survival items and family disaster and evacuation plan** | **18-24****(n=284)** | **25-44****(n=1523)** | **45-54****(n=395)** | **55-64****(n=148)** | ≥ 65 **(n=71)** | ***total*** | ***χ2*** | *P***-value** |
| *Prepared with survival items*(Kept 5 or more survival items at home) | 41(14.4) | 229(15.0) | 60(15.2) | 24(16.2) | 25(35.2) | 379 (15.7) | 21.426 | **<0.001** |
| *Family members prepared for disaster* (5 or more out of 8 items) | 59(20.8) | 331(21.7) | 97(24.6) | 48(32.4) | 28(39.4) | 563(23.3) | 20.731 | **<0.001** |
| *Preparedness for disaster* (Kept survival items and family members prepared for disasters)  | 39(13.7) | 216(14.2) | 64(16.2) | 32(21.6) | 21(29.6) | 372(15.4) | 17.916 | 0.001 |

**Table S3 Sources of information considered useful in preparing for a disaster: stratified by age (n=2421)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sources of information considered useful in preparing for a disaster** | **18-24****(n=284)** | **25-44****(n=1523)** | **45-54****(n=395)** | **55-64****(n=148)** | ≥ 65 **(n=71)** | ***total*** | ***χ2*** | *P***-value** |
| Friends, colleagues, and neighbors | 208(73.2) | 999(65.6) | 254(64.3) | 95(64.2) | 64(90.1) | 1620(66.9) | 25.344 | **<0.001** |
| Internet information  | 215(75.7) | 1024(67.2) | 236(59.7) | 82(55.4) | 42(59.2) | 1599(66.0) | 28.740 | **<0.001** |
| Public media | 191(67.3) | 928(61.0) | 207(52.4) | 64(43.2) | 45(63.4) | 1435(59.3) | 33.198 | **<0.001** |
| Government | 140(49.3) | 723(47.5) | 168(42.5) | 65(43.9) | 40(56.3) | 1136(46.9) | 6.948 | 0.139 |
| Newspapers, magazines | 104(36.6) | 667(43.8) | 147(37.2) | 62(41.9) | 39(54.9) | 1019(42.1) | 13.959 | **0.007** |
| Telephone short messages | 126(44.4) | 584(38.3) | 140(35.4) | 47(31.8) | 42(59.2) | 939(38.8) | 21.196 | **<0.001** |

**Table S4 Comparison of age distribution of participants with and without chronic disease (n=2421)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **18-24****(n=284)** | **25-44****(n=1523)** | **45-54****(n=395)** | **55-64****(n=148)** | ≥ 65 **(n=71)** | ***total*** | ***χ2*** | *P***-value** |
| **Without chronic disease** | 269(13.5) | 1358(68.2) | 270(13.6) | 71(3.5) | 22(1.1) | 1990 (82.2) | 378.411 | **<0.001** |
| **With chronic disease** | 15(3.5) | 165(38.3) | 125(29) | 77(17.9) | 49(11.4) | 431(17.8) |

**Table S5 Comparison of job status distribution of participants with and without chronic disease (n=2421)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Student**(n=59)** | Employed**(n=2094)** | Retired**(n=160)** | Unemployed**(n=108)** | ***total*** | ***χ2*** | *P***-value** |
| **Without chronic disease** | 53（2.7） | 1804（90.7） | 58（2.9） | 75（3.8） | 1990 | 267.554 | **<0.001** |
| **With chronic disease** | 6（1.4） | 290（67.3） | 102（23.7） | 33（7.7） | 431 |