**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 | 62  20 | 75.6b  76.9a,b | 20  6 | 24.4b  23.1a,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 |