**More than just a mental stressor: Psychological value of social distancing in COVID-19 mitigation through increased risk perception—a preliminary study in China**

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**Table S1** The descriptive statistics and comparisons of psychological covariates between T1 and T2 (paired samples: *n* = 1,266)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | *M* (s.d.) (T1) | *M* (s.d.) (T2) | *t* | d.f. | *P* |
| **Cognitive covariate** | 5.52(0.803) | 5.36(0.880) | 7.720 | 1,265 | <0.001 |
| **Emotional covariate** |  |  |  |  |  |
| Fear | 4.83(1.440) | 4.45(1.594) | 8.873 | 1,265 | <0.001 |
| Anxiety | 4.68(1.530) | 4.31(1.657) | 8.381 | 1,265 | <0.001 |
| Anger | 4.64(1.693) | 4.17(1.713) | 9.799 | 1,265 | <0.001 |
| Disgust | 4.38(1.646) | 4.03(1.653) | 7.306 | 1,265 | <0.001 |
| Sadness | 5.02(1.528) | 4.48(1.622) | 11.896 | 1,265 | <0.001 |

**Table S2** Comparisons between responses of psychological covariates of people in and not in Wuhan at T1 and T2

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | T1 (*n* = 1,499) | | | | T2 (*n* = 1,266) | | | |
|  | Wuhan  (*n* = 120) | not Wuhan  (*n* = 1,379) |  |  | Wuhan  (*n* = 93) | not Wuhan  (*n* = 1,173) |  |  |
|  | *M* (s.d.) | *M* (s.d.) | *t* (d.f.) | *P* | *M* (s.d.) | *M* (s.d.) | *t* (d.f.) | *P* |
| Cognitive covariate | 5.41(0.990) | 5.52(0.820) | -1.383(1497) | 0.167 | 5.30(0.880) | 5.36(0.880) | -0.698(1,264) | 0.485 |
| Fear | 4.90(1.411) | 4.83(1.463) | 0.491(1,497) | 0.623 | 4.60(1.438) | 4.44(1.606) | 1.022(111) | 0.309 |
| Anxiety | 4.98(1.446) | 4.69(1.549) | 2.061(144) | 0.041 | 4.49(1.411) | 4.30(1.674) | 1.277(114) | 0.204 |
| Anger | 5.20(1.559) | 4.64(1.711) | 3.473(1,497) | 0.001 | 4.26(1.567) | 4.16(1.724) | 0.525(1,264) | 0.600 |
| Disgust | 5.01(1.452) | 4.36(1.671) | 4.654(148) | <0.001 | 4.32(1.490) | 4.01(1.663) | 1.785(1,264) | 0.075 |
| Sadness | 5.32(1.360) | 5.04(1.556) | 1.862(1,497) | 0.063 | 4.57(1.506) | 4.47(1.631) | 0.578(1,264) | 0.563 |

**Table S3**

(a) Cross-sectional Hierarchical Multiple Regression (*n* = 1,499; outcome variable: risk perception)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Step 1 | | | Step 2 | | | Step 3 | | |
|  | *B* | 95% CI | *t* | *B* | 95% CI | *t* | *B* | 95% CI | *t* |
| **Sex**  0 = Male  1 = Female | 0.042 | [-0.042, 0.126] | 0.985 | 0.025 | [-0.051, 0.102] | 0.649 | 0.028 | [-0.048, 0.104] | 0.714 |
| **Educationa** |  |  |  |  |  |  |  |  |  |
| SH | 0.258 | [0.020, 0.497] | 2.122\* | 0.229 | [0.013, 0.446] | 2.076\* | 0.202 | [-0.014, 0.419] | 1.838 |
| COL | 0.287 | [0.056, 0.517] | 2.434\* | 0.297 | [0.087, 0.507] | 2.776\*\* | 0.265 | [0.055, 0.474] | 2.480\* |
| AA | 0.421 | [0.138, 0.704] | 2.920\*\* | 0.361 | [0.103, 0.618] | 2.744\*\* | 0.319 | [0.062, 0.577] | 2.435\* |
| **Monthly income (CNY)b** |  |  |  |  |  |  |  |  |  |
| MI1 | 0.008 | [-0.156, 0.172] | 0.094 | -0.021 | [-0.169, 0.128] | -0.273 | -0.030 | [-0.178, 0.118] | -0.401 |
| MI2 | 0.047 | [-0.131, 0.226] | 0.520 | -0.008 | [-0.171, 0.155] | -0.097 | -0.026 | [-0.188, 0.136] | -0.311 |
| MI3 | 0.015 | [-0.205, 0.235] | 0.136 | -0.070 | [-0.271, 0.131] | -0.685 | -0.089 | [-0.289, 0.111] | -0.872 |
| MI4 | -0.148 | [-0.891, 0.596] | -0.389 | -0.450 | [-1,126, 0.226] | -1.306 | -0.450 | [-1.123, 0.222] | -1.313 |
| **Careerc** |  |  |  |  |  |  |  |  |  |
| EC | 0.179 | [-0.002, 0.360] | 1.939 | 0.128 | [-0.037, 0.293] | 1.522 | 0.138 | [-0.026, 0.303] | 1.654 |
| EI | 0.137 | [-0.078, 0.352] | 1.250 | 0.002 | [-0.194, 0.198] | 0.019 | 0.015 | [-0.180, 0.211] | 0.154 |
| SHE | 0.164 | [-0.039 0.366] | 1.586 | 0.090 | [-0.095, 0.274] | 0.952 | 0.108 | [-0.076, 0.292] | 1.156 |
| FAR | 0.218 | [-0.101, 0.536] | 1.341 | 0.244 | [-0.045, 0.533] | 1.654 | 0.234 | [-0.054, 0.522] | 1.592 |
| OT | 0.134 | [-0.089, 0.357] | 1.181 | 0.111 | [-0.092, 0.314] | 1.074 | 0.138 | [-0.064, 0.340] | 1.339 |
| **Place of domicile**  0 = Urban  1 = Rural | -0.037 | [-0.139 0.064] | -0.720 | -0.062 | [-0.154, 0.031] | -1.311 | -0.055 | [-0.147, 0.037] | -1.175 |
| **Age** | 0.006 | [-0.001, 0.012] | 1.581 | 0.005 | [-0.001, 0.011] | 1.645 | 0.005 | [-0.001, 0.011] | 1.676 |
| **Current residential city**  0 **=** Not Wuhan  1 **=** Wuhan | 0.045 | [-0.107, 0.198] | 0.584 | 0.010 | [-0.129, 0.149] | 0.140 | -0.002 | [-0.140, 0.137] | -0.022 |
| **Cognitive covariate** |  |  |  | 0.206 | [0.158, 0.254] | 8.477\*\*\* | 0.196 | [0.048, 0.243] | 8.025\*\*\* |
| **Emotional covariate** |  |  |  |  |  |  |  |  |  |
| Fear |  |  |  | 0.092 | [0.053, 0.130] | 4.651\*\*\* | 0.089 | [0.050, 0.127] | 4.519\*\*\* |
| Anxiety |  |  |  | 0.031 | [-0.007, 0.068] | 1.609 | 0.028 | [-0.010, 0.065] | 1.456 |
| Anger |  |  |  | -0.006 | [-0.036, 0.024] | -0.378 | -0.002 | [-0.032, 0.028] | -0.122 |
| Disgust |  |  |  | 0.036 | [0.007, 0.065] | 2.477\* | 0.034 | [0.005, 0.063] | 2.325\* |
| Sadness |  |  |  | 0.060 | [0.028, 0.091] | 3.754\*\*\* | 0.055 | [0.024, 0.086] | 3.480\*\*\* |
| **PIT** |  |  |  |  |  |  | 0.053 | [0.026, 0.079] | 3.871\*\*\* |
| (Constant) | 5.579 | [5.284, 5.875] | 37.068\*\*\* | 3.531 | [3.163, 3.899] | 18.804\*\*\* | 3.344 | [2.966, 3.723] | 17.325\*\*\* |
| *Δ* | 0.026 | | | 0.177 | | | 0.008 | | |
| *F* (d.f.1 d.f.2) | 2.511 (16 1,478) | | | 17.081 (22 1,472) | | | 17.149 (23 1,471) | | |
| *P* | 0.001 | | | <0.001 | | | <0.001 | | |

a “Junior high school and below” was set as reference. SH = Senior high school degree; COL = College degree; AA = Graduate and above.

b “Less than 3,000” was set as reference. MI1 = 3,000-6,000; MI2 = 6,000-10,000; MI3 = 10,000-30,000; MI4 = More than 30,000.

c “Student” was set as reference. EC = Employee in companies; EI = Employee in institutions; SHE = Self-employed household; FAR = Farmer; OT = others.

(b) Cross-sectional Hierarchical Multiple Regression (*n* = 1,499; outcome variable: controllability perception)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Step 1 | | | Step 2 | | | Step 3 | | |
|  | *B* | 95% CI | *t* | *B* | 95% CI | *t* | *B* | 95% CI | *t* |
| **Sex**  0 = Male  1 = Female | -0.014 | [-0.141, 0.113] | -0.212 | -0.0053 | [-0.126, 0.119] | -0.056 | -0.002 | [-0.124, 0.120] | -0.031 |
| **Education** |  |  |  |  |  |  |  |  |  |
| SH | -0.130 | [-0.491, 0.232] | -0.704 | -0.050 | [-0.397, 0.297] | -0.285 | -0.068 | [-0.415, 0.280] | -0.382 |
| COL | -0.237 | [-0.587, 0.113] | -1.330 | -0.134 | [-0.470, 0.202] | -0.782 | -0.155 | [-0.492, 0.182] | -0.901 |
| AA | -0.516 | [-0.945, -0.087] | -2.360\* | -0.351 | [-0.764, 0.062] | -1.688 | -0.377 | [-0.791, 0.036] | -1.789 |
| **Monthly income (CNY)** |  |  |  |  |  |  |  |  |  |
| MI1 | 0.183 | [-0.065, 0.431] | 1.449 | 0.103 | [-0.135, 0.341] | 0.848 | 0.097 | [-0.141, 0.335] | 0.797 |
| MI2 | 0.197 | [-0.074, 0.467] | 1.428 | 0.049 | [-0.212, 0.310] | 0.369 | 0.038 | [-0.223, 0.298] | 0.283 |
| MI3 | 0.423 | [0.090, 0.757] | 2.490\* | 0.225 | [-0.097, 0.546] | 1.371 | 0.213 | [-0.109, 0.534] | 1.297 |
| MI4 | 0.577 | [-0.550, 1.704] | 1.005 | 0.430 | [-0.652, 1.513] | 0.780 | 0.430 | [-0.652, 1.512] | 0.780 |
| **Career** |  |  |  |  |  |  |  |  |  |
| EC | -0.138 | [-0.411, 0.136] | -0.985 | -0.157 | [-0.421, 0.107] | -1.170 | -0.151 | [-0.415, 0.113] | -1.120 |
| EI | 0.025 | [-0.301, 0.351] | 0.150 | -0.01 | [-0.333, 0.296] | -0.117 | -0.010 | [-0.324, 0.304] | -0.063 |
| SHE | 0.080 | [-0.226, 0.387] | 0.515 | 0.043 | [-0.253, 0.338] | 0.282 | 0.055 | [-0.241, 0.351] | 0.363 |
| FAR | -0.120 | [-0.602, 0.363] | -0.486 | -0.154 | [-0.617, 0.310] | -650 | -0.160 | [-0.632, 0.303] | -0.678 |
| OT | -0.358 | [-0.695, -0.020] | -2.078\* | -0.323 | [-0.648, 0.001] | -1.955 | -0.306 | [-0.631, 0.019] | -1.864 |
| **Place of domicile**  0 = Urban  1 = Rural | 0.010 | [-0.143 0.164] | 0.131 | 0.006 | [-0.153, 0.142] | -0.073 | -0.001 | [-0.149, 0.147] | -0.016 |
| **Age** | 0.018 | [0.008, 0.028] | 3.401\*\*\* | 0.015 | [0.005, 025] | 2.938\*\* | 0.015 | [0.005, 0.025] | 2.949\*\* |
| **Current residential city**  0 **=** Not Wuhan  1 **=** Wuhan | -0.517 | [-0.747, -0.286] | -4.393\*\*\* | -0.443 | [-0.666, -0.221] | -3.906\*\*\* | -0.451 | [-0.673, -0.228] | -3.969\*\*\* |
| **Cognitive covariate** |  |  |  | 0.414 | [0.338, 0.491] | 10.639\*\*\* | 0.408 | [0.331, 0.484] | 10.401\*\*\* |
| **Emotional covariate** |  |  |  |  |  |  |  |  |  |
| Fear |  |  |  | -0.036 | [-0.098, 0.026] | -1.143 | -0.038 | [-0.100, 0.024] | -1.203 |
| Anxiety |  |  |  | -0.074 | [-0.134, -0.014] | -2.411\* | -0.076 | [-0.136, -0.016] | -2.474\* |
| Anger |  |  |  | -0.056 | [-0.105, -0.007] | -2.264\* | -0.053 | [-0.102, -0.005] | -2.157\* |
| Disgust |  |  |  | 0.012 | [-.035, 0.058] | 0.486 | 0.010 | [-0.036, 0.057] | 0.434 |
|  |  |  |  |  |  |  |  |  |  |
| Sadness |  |  |  | 0.012 | [-0.038, 0.062] | 0.484 | 0.010 | [-0.040, 0.060] | 0.374 |
| **PIT** |  |  |  |  |  |  | 0.034 | [-0.009, 0.077] | 1.550 |
| (Constant) | 5.123 | [4.676, 5.570] | 22.471\*\*\* | 3.600 | [3.011, 4.190] | 11.973\*\*\* | 3.480 | [2.871, 4.089] | 11.210\*\*\* |
| *Δ* | 0.049 | | | 0.081 | | | 0.001 | | |
| *F* (d.f.1 d.f.2) | 4.744 (16 1,478) | | | 10.004 (22 1,472) | | | 9.683 (23 1,471) | | |
| *P* | <0.001 | | | <0.001 | | | <0.001 | | |

(c) Longitudinal Hierarchical Multiple Regression (*n* = 1,266; outcome variable: risk perception at T2)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Step 1 | | | Step 2 | | | Step 3 | | |
|  | *B* | 95% CI | *t* | *B* | 95% CI | *t* | *B* | 95% CI | *t* |
| **Sex**  0 = Male  1 = Female | 0.047 | [-0.048, 0.142] | 0.969 | 0.021 | [-0.059, 0.100] | 0.507 | 0.021 | [-0.058, 0.100] | 0.517 |
| **Education** |  |  |  |  |  |  |  |  |  |
| SH | -0.174 | [-0.129, 0.295] | 1.128 | 0.013 | [-0.242, 0.269] | 0.103 | -0.027 | [-0.281, 0.227] | -0.208 |
| COL | 0.043 | [-0.248, 0.179] | 0.291 | -0.099 | [-0.346, 0.148] | -0.789 | -0.145 | [-0.391, 0.101] | -1.157 |
| AA | 0.194 | [-0.155, 0.430] | 1.089 | -0.065 | [-0.361, 0.230] | -0.434 | -0.121 | [-0.415, 0.173] | -0.810 |
| **Monthly income (CNY)** |  |  |  |  |  |  |  |  |  |
| MI1 | 0.022 | [-0.172, 0.216] | 0.223 | 0.054 | [-0.109, 0.217] | 0.65 | 0.039 | [-0.123, 0.201] | 0.474 |
| MI2 | 0.035 | [-0.176, 0.221] | 0.328 | 0.010 | [-0.168, 0.187] | 0.110 | -0.018 | [-0.195, 0.158 | -0.205 |
| MI3 | 0.017 | [-0.239, 0.255] | 0.133 | 0.012 | [-0.205, 0.228] | 0.108 | -0.019 | [-0.234, 0.196] | -0.174 |
| MI4 | -0.031 | [-1.013, 0.815] | -0.062 | 0.175 | [-0.647, 0.998] | 0.418 | 0.182 | [-0.634, 0.998] | 0.437 |
| **Career** |  |  |  |  |  |  |  |  |  |
| EC | 0.095 | [-0.117, 0.336] | 0.879 | -0.038 | [-0.216, 0.140] | -0.421 | -0.019 | [-0.196, 0.158] | -0.208 |
| EI | 0.109 | [-0.139, 0.423] | 0.862 | -0.042 | [-0.251, 0.166] | -0.399 | -0.028 | [-0.234, 0.179] | -0.262 |
| SHE | 0.103 | [-0.134, 0.370] | 0.852 | -0.045 | [-0.244, 0.155] | -0.438 | -0.019 | [-0.217, 0.179] | -0.185 |
| FAR | -0.460 | [-0.870, 0.394] | -2.202\* | -0.464 | [-0.808, -0.120] | -2.643\*\* | -0.484 | [-0.826, -0.143] | -2.781\*\* |
| OT | 0.244 | [-0.022, 0.509] | 1.802 | 0.078 | [-0.144, 0.301] | 0.692 | 0.114 | [-0.108, 0.335] | 1.007 |
| **Place of domicile**  0 = Urban  1 = Rural | 0.045 | [-0.072, 0.171] | 0.751 | 0.018 | [-0.080, 0.116] | 0.361 | 0.026 | [-0.071, 0.124] | 0.529 |
| **Age** | 0.004 | [-0.005, 0.010] | 0.856 | 0.004 | [-0.003, 0.011] | 1.186 | 0.004 | [-0.002, 0.011] | 1.261 |
| **Current residential city**  0 **=** Not Wuhan  1 **=** Wuhan | 0.205 | [-0.027, 0.125] | 2.259\* | 0.171 | [0.022, 0.321] | 2.248\* | 0.158 | [0.009, 0.306] | 2.080\* |
| **IMPa** | 0.014 | [-0.081, 0.285] | 0.289 | -0.008 | [-0.087, 0.072] | -0.187 | -0.004 | [-0.083, 0.075] | -0.100 |
| **Cognitive covariate (T1)** |  |  |  | -0.076 | [-0.141, -0.011] | -2.282\* | -0.091 | [-0.156, -0.026] | -2.736\*\* |
| **Cognitive covariate (T2)** |  |  |  | 0.167 | [0.108, 0.227] | 5.523\*\*\* | 0.176 | [0.117, 0.235] | 5.843\*\*\* |
| **Emotional covariate**  **(T1)** |  |  |  |  |  |  |  |  |  |
| Fear |  |  |  | 0.029 | [-0.011, 0.070] | 1.413 | 0.029 | [-0.012, 0.069] | 1.393 |
| Anxiety |  |  |  | -0.043 | [-0.083, -0.003] | -2.090\* | -0.045 | [-0.085, -0.005] | -2.200\* |
| Anger |  |  |  | -0.039 | [-0.071, -0.006] | -2.322\*\* | -0.034 | [-0.066, -0.001] | -2.032\* |
| Disgust |  |  |  | 0.003 | [-0.029, 0.034] | 0.163 | 0.001 | [-0.030, 0.032] | 0.054 |
| Sadness |  |  |  | 0.048 | [0.014, 0.082] | 2.745\*\* | 0.041 | [0.007, 0.075] | 2.343\* |
| **(T2)** |  |  |  |  |  |  |  |  |  |
| Fear |  |  |  | 0.029 | [-0.012, 0.071] | 1.382 | 0.027 | [-0.014, 0.068] | 1.293 |
| Anxiety |  |  |  | 0.051 | [-0.009, 0.094] | 2.362\* | 0.039 | [0.09, 0.093] | 2.362\* |
| Anger |  |  |  | -0.026 | [-0.064, 0.011] | -1.384 | -0.027 | [-0.063, 0.011] | -1.398 |
| Disgust |  |  |  | -0.007 | [-0.043, 0.030] | -0.360 | -0.007 | [-0.042, 0.031] | -0.294 |
| Sadness |  |  |  | 0.045 | [0.010, 0.080] | 2.492\* | 0.053 | [0.010, 0.080] | 2.515\* |
| **Risk perception (T1)** |  |  |  | 0.469 | [0.416, 0.523] | 17.213\*\*\* | 0.441 | [0.405, 0.512] | 16.899\*\*\* |
| **PIT (T1)** |  |  |  |  |  |  | 0.078 | [0.037, 0.093] | 4.578\*\*\* |
| (Constant) | 5.753 | [4.217, 5.123] | 31.462\*\*\* | 2.217 | [1.754, 2.680] | 9.399\*\*\* | 2.003 | [1.535, 2.471] | 8.394\*\*\* |
| *Δ* | 0.022 | | | 0.305 | | | 0.011 | | |
| *F* (d.f.1 d.f.2) | 1.652 (17 1,245) | | | 19.978 (30 1,232) | | | 20.322 (31 1,231) | | |
| *P* | 0.046 | | | <0.001 | | | <0.001 | | |

a IMP: “Are there any imported COVID-19 cases in your city?” (0 = No; 1 = Yes)

(d) Longitudinal Hierarchical Multiple Regression (*n* = 1,266; outcome variable: controllability perception at T2)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Step 1 | | | Step 2 | | | Step 3 | | |
|  | *B* | 95% CI | *t* | *B* | 95% CI | *t* | *B* | 95% CI | *t* |
| **Sex**  0 = Male  1 = Female | -0.011 | [-0.130, 0.109] | -0.175 | 0.013 | [-0.094, 0.119] | 0.230 | 0.012 | [-0.094, 0.119] | 0.229 |
| **Education** |  |  |  |  |  |  |  |  |  |
| SH | 0.625 | [0.242, 1.099] | 3.202\*\*\* | 0.636 | [0.295, 0.977] | 3.657\*\*\* | 0.606 | [0.264, 0.947] | 3.480\*\*\* |
| COL | 0.310 | [-0.058, 0.679] | 1.653 | 0.400 | [0.071, 0.792] | 2.385\* | 0.365 | [0.036, 0.695] | 2.175\* |
| AA | 0.277 | [-0.163, 0.717] | 1.235 | 0.502 | [0.109, 0.896] | 2.504\* | 0.460 | [0.065, 0.854] | 2.286\* |
| **Monthly income (CNY)** |  |  |  |  |  |  |  |  |  |
| MI1 | 0.067 | [-0.178, 0.312] | 0.536 | -0.006 | [-0.224, 0.212] | -0.054 | -0.016 | [-0.233, 0.202] | -0.142 |
| MI2 | 0.212 | [-0.055, 0.478] | 1.559 | 0.072 | [-0.165, 0.310] | 0.599 | 0.053 | [-0.184, 0.291] | 0.440 |
| MI3 | 0.058 | [-0.266, 0.382] | 0.351 | -0.159 | [-0.449, 0.130] | -1.080 | -0.180 | [-0.469, 0.110] | -1.219 |
| MI4 | -0.373 | [-1.613, 0.867] | -0.590 | -0.437 | [-1.536, 0.662] | -0.780 | -0.428 | [-1.524, 0.669] | -0.765 |
| **Career** |  |  |  |  |  |  |  |  |  |
| EC | 0.127 | [-0.140, 0.394] | 0.934 | 0.187 | [-0.051, 0.425] | 1.542 | 0.198 | [-0.039, 0.436] | 1.639 |
| EI | 0.163 | [-0.150, 0.476] | 1.024 | 0.129 | [-0.149, 0.408] | 0.910 | 0.139 | [-0.139, 0.417] | 0.979 |
| SHE | 0.430 | [0.132, 0.729] | 2.827\*\* | 0.376 | [0.110, 0.642] | 2.770\*\* | 0.393 | [0.126, 0.651] | 2.893\*\* |
| FAR | -0.013 | [-0.531, 0.505] | -0.048 | 0.207 | [-0.253, 0.668] | 0.883 | 0.191 | [-0.269, 0.651] | 0.813 |
| OT | 0.099 | [-0.236, 0.435] | 0.582 | 0.121 | [-0.176, 0.418] | 0.800 | 0.143 | [-0.154, 0.440] | 0.945 |
| **place of domicile**  0 = Urban  1 = Rural | 0.017 | [-0.131, 0.165] | 0.227 | 0.016 | [-0.115, 0.148] | 0.246 | 0.023 | [-0.109, 0.154] | 0.337 |
| **Age** | 0.011 | [-0.001, 0.021] | 2.105\* | 0.003 | [-0.006, 0.012] | 0.622 | 0.003 | [-0.006, 0.012] | 0.662 |
| **Current residential city**  0 **=** Not Wuhan  1 **=** Wuhan | -0.491 | [-0.716, -0.266] | -4.280\*\*\* | -0.320 | [-0.521, -0.119] | -3.125\*\* | -0.331 | [-0.532, -0.130] | -3.234\*\*\* |
| **IMP** | 0.013 | [-0.106, 0.133] | 0.218 | 0.043 | [-0.064, 0.149] | 0.785 | 0.045 | [-0.062, 0.151] | 0.827 |
| **Cognitive covariate (T1)** |  |  |  | -0.121 | [-0.209, -0.033] | -2.692\*\* | -0.131 | [-0.220, -0.043] | -2.923\*\* |
| **Cognitive covariate (T2)** |  |  |  | 0.324 | [0.244, 0.403] | 8.006\*\*\* | 0.330 | [0.251, 0.410] | 8.160\*\*\* |
| **Emotional covariate**  **(T1)** |  |  |  |  |  |  |  |  |  |
| Fear |  |  |  | 0.018 | [-0.036, 0.073] | 0.665 | 0.017 | [-0.037, 0.072] | 0.627 |
| Anxiety |  |  |  | -0.010 | [-0.064, 0.044] | -0.371 | -0.012 | [-0.065, 0.042] | -0.429 |
| Anger |  |  |  | -0.033 | [-0.077, 0.011] | -1.470 | -0.029 | [-0.073, 0.014] | -1.317 |
| Disgust |  |  |  | 0.029 | [-0.013, 0.071] | 1.354 | 0.028 | [-0.015, 0.070] | 1.284 |
| Sadness |  |  |  | 0.027 | [-0.019, 0.072] | -1.151 | 0.021 | [-0.024, 0.067] | 0.911 |
| **(T2)** |  |  |  |  |  |  |  |  |  |
| Fear |  |  |  | -0.008 | [-0.064, 0.047] | -0.299 | -0.010 | [-0.065, 0.045] | -0.357 |
| Anxiety |  |  |  | -0.083 | [-0.140, -0.026] | -2.854\*\* | -0.084 | [-0.141, -0.027] | -2.881\*\* |
| Anger |  |  |  | 0.010 | [-0.040, 0.060] | 0.400 | 0.010 | [-0.040, 0.060] | 0.400 |
| Disgust |  |  |  | 0.002 | [-0.047, 0.052] | 0.095 | 0.004 | [-0.046, 0.053] | 0.143 |
| Sadness |  |  |  | -0.024 | [-0.071, 0.023] | -0.986 | -0.024 | [-0.071, 0.023] | -0.989 |
| **Controllability perception (T1)** |  |  |  | 0.328 | [0.284, 0.373] | 14.439\*\*\* | 0.326 | [0.281, 0.370] | 14.333\*\*\* |
| **PIT (T1)** |  |  |  |  |  |  | 0.045 | [0.008, 0.083] | 2.363\* |
| (Constant) | 4.670 | [4.217, 5.123] | 20.221\*\*\* | 2.291 | [1.707, 2.876] | 7.691\*\*\* | 2.126 | [1.572, 2.725] | 6.959\*\*\* |
| *Δ* | 0.076 | | | 0.211 | | | 0.003 | | |
| *F* (d.f.1 d.f.2) | 6.003 (17 1,245) | | | 16.522 (30 1,232) | | | 16.229 (31 1,231) | | |
| *P* | <0.001 | | | <0.001 | | | <0.001 | | |