**Table 1.** Sample characteristics according to BMI status (N = 635, except where indicated).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   |   |   | **Body Mass Index (kg/m2)** |   |   |
|  | **Total sample** | **< 30** | **≥ 30** |  |  |
| **Variable** | **(*N* = 635)** | **(*n =* 534)** | **(*n =* 101)** |  |  |
| **A. Continuous** | ***M*** | ***SD*** | ***M*** | ***SD*** | ***M*** | ***SD*** | ***p*** | ***d*** |
| Age (Years) | 37.94 | 14.07 | 37.17 | 13.97 | 41.94 | 14.00 | 0.002 | -0.34 |
| **B. Categorical** | ***n*** | **%** | ***n*** | **%** | ***n*** | **%** | ***p*** |  |
| Gender |  |  |  |  |  |  | .009 |  |
|  Male | 182 | 28.7% | 143 | 26.8% | 40 | 38.6% |  |  |
|  Female | 453 | 71.3% | 391 | 73.2% | 61 | 61.4% |  |  |
| Family status |  |  |  |  |  | .198 |  |
|  Married/Living with partner | 405 | 63.8% | 334 | 62.5% | 70 | 69.3% |  |  |
|  Other | 230 | 36.2% | 200 | 37.5% | 31 | 30.7% |  |  |
| Education |  |  |  |  |  |  | .026 |  |
|  Academic | 488 | 76.9% | 419 | 78.5% | 69 | 68.3% |  |  |
|  Other | 147 | 23.1% | 114 | 21.5% | 32 | 31.7% |  |  |
| Religion |  |  |  |  |  |  | .754 |  |
|  Jewish | 441 | 68.5% | 368 | 68.9% | 71 | 70.3% |  |  |
|  Muslims | 171 | 26.6% | 141 | 26.4% | 27 | 26.7% |  |  |
|  Other | 23 | 4.9% | 25 | 3.0% | 3 | 3.0% |  |  |
| Healthcare worker |  |  |  |  |  | .795 |  |
|  No | 303 | 47.7% | 256 | 47.9% | 47 | 46.5% |  |  |
|  Yes | 332 | 52.3% | 278 | 52.1% | 54 | 53.5% |  |  |
| Comorbidity a |  |  |  |  |  | < .001 |  |
|  No | 536 | 84.4% | 466 | 87.2% | 71 | 70.3% |  |  |
|  Yes | 99 | 15.6% | 68 | 12.8% | 30 | 29.7% |  |  |
| Region in Israel (n=562) |  |  |  |  |  | .501 |  |
|  North | 142 | 25.3% | 120 | 25.5% | 22 | 23.9% |  |  |
|  Sharon | 154 | 27.4% | 129 | 27.4% | 25 | 27.2% |  |  |
|  Center | 134 | 23.8% | 108 | 23.0% | 26 | 28.3% |  |  |
|  Jerusalem | 92 | 16.4% | 76 | 16.2% | 16 | 17.4% |  |  |
|  South | 40 | 7.1% | 37 | 7.9% | 3 | 3.3% |   |   |
| *Note.* Data were missing for 4 cases for age: a Blood pressure, heart disease, respiratory disease, and/or asthma. |

**Table 2.** Results of exploratory factor analysis based on the COVID-19 risk perception questionnaire (N = 623)

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Preventive behaviors** | **Risk of infection spread** | **Personal risk** |
| How much do you think that you are personally at risk of getting infected? |  |  | .81 |
| How much do you think that you are personally at risk of severe infection? |  |  | .83 |
| How much do you think that members of your home are at risk of getting infected? |  |  | .68 |
| How serious is the overall risk in your community of the spread of infection? |  | .74 |  |
| How serious is the overall risk in your country of the spread of infection? |  | .86 |  |
| How easily does coronavirus spread? |  | .81 |  |
| How important is it for you to avoid crowds or groups of people? | .88 |  |  |
| How important is it for you to avoid public places? | .88 |  |  |
| How important is it for you to keep a distance from other people? | .87 |  |  |
| How important is it for you to wear a mask in public? | .77 |  |  |
| How important is it for you to maintain hand hygiene? | .68 |  |  |
| Eigenvalue | 3.48 | 2.22 | 1.94 |
| Percentage of variance explained | 31.6% | 20.2% | 17.8% |
| Cronbach’s α | 0.89 | 0.78 | 0.73 |
| *Note:* Factor loadings above 0.45 are shown.  |

**Table 3.** Means, standard deviations, and independent samples t-test statistics for study variables

|  |  |  |  |
| --- | --- | --- | --- |
|   | **Gender** |  |   |
|  | **Male (*n* = 181)** | **Female (*n* = 448)** |  |  |
| **Variable** | ***M*** | ***SD*** | ***M*** | ***SD*** | ***t*** | **Cohen's *d*** |
| Risk of infection spread | 6.98 | 1.77 | 7.12 | 1.69 | -0.99 | -0.09 |
| Personal risk | 5.14 | 2.00 | 4.96 | 1.97 | 1.03 | 0.09 |
| Preventative behaviors | 7.93 | 1.86 | 8.38 | 1.82 | -2.78\*\* | -0.24 |
|  | **Healthcare worker** |  |  |
|  | **No (*n* = 303)** | **Yes (*n* = 332)** |  |  |
| **Variable** | ***M*** | ***SD*** | ***M*** | ***SD*** | ***t*** | **Cohen's *d*** |
| Risk of infection spread | 6.88 | 1.73 | 7.27 | 1.67 | -2.90\*\* | -0.23 |
| Personal risk | 4.74 | 1.95 | 5.23 | 1.98 | -3.16\*\* | -0.25 |
| Preventative behaviors | 8.15 | 1.80 | 8.34 | 1.86 | -1.36 | -0.11 |
|  | **Comorbidity** |  |  |
|  | **No (*n* = 532)** | **Yes (*n* = 98)** |  |  |
| **Variable** | ***M*** | ***SD*** | ***M*** | ***SD*** | ***t*** | **Cohen's *d*** |
| Risk of infection spread | 7.07 | 1.73 | 7.11 | 1.59 | -0.19 | -0.02 |
| Personal risk | 4.83 | 1.95 | 5.98 | 1.88 | -5.38\*\*\* | -0.59 |
| Preventative behaviors | 8.18 | 1.88 | 8.65 | 1.33 | -2.34\* | -0.26 |
| \**p* < .05. \*\**p* < .01. \*\*\**p* < .001. |

**Table 4.** Means, standard deviations, and one-way ANOVA statistics for study variables

|  |  |  |  |
| --- | --- | --- | --- |
|   | **Religion** |  |   |
|  | **Jewish (*n* = 436)** | **Muslims (*n* = 167)** | **Other (*n* = 28)** |  |  |
| **Variable** | ***M*** | ***SD*** | ***M*** | ***SD*** | ***M*** | ***SD*** | ***F*** | **η2** |
| Risk of infection spread | 6.76a | 1.58 | 7.94b | 1.71 | 7.07a | 1.94 | 31.80\*\*\* | 0.14 |
| Personal risk | 4.82a | 1.88 | 5.54b | 2.16 | 4.37a,b | 2.01 | 8.52\*\*\* | 0.05 |
| Preventative behaviors | 8.12a | 1.84 | 8.55b | 1.80 | 8.48a,b | 1.78 | 3.58\* | 0.03 |
| *Note*. Means with different subscript letters differ significantly from each other at the .05 level. |
| \**p* < .05. \*\*\**p* < .001. |

**Figure 1.** Model depicting the serial indirect effects of body mass index on preventive behaviors via personal risk and risk of infection spread *(N* = 617)

 

*Note:* Values are unstandardized regression coefficients (standard errors), controlling for age, being a healthcare worker, gender, religion, and comorbidity. Solid lines indicate significant paths, while dashed lines indicate non-significant paths.

\*\**p* < 0.01. \*\*\**p* < 0.001.