Article

**A theory-based study on the vaccination behaviors of breast cancer patients during the COVID-19 pandemic in Taiwan**

**Supplementary materials**

**Table S1.** Respondent characteristics.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable/category** | ***n*** | **%** | **Variable/category** | ***n*** | **%** |
| Education |  | Occupation |  |  |
| Junior high school and below | 53 | 19.1 | No | 127 | 45.7 |
| Senior high school | 95 | 34.2 | Yes | 151 | 54.3 |
| Undergraduate | 116 | 41.7 | Total | 278 | 100.0 |
| Graduated and above | 14 | 5.0 | Religion |  |  |
| Total | 278 | 100.0 | No | 107 | 38.5 |
| Marry status |  | Yes | 171 | 61.5 |
| Married | 192 | 69.1 | Total | 278 | 100.0 |
| Unmarried | 51 | 18.3 | Chronic Disease |  |  |
| Divorced/Separated | 21 | 8.6 | Mitral valve prolapse | 1 | 20.0 |
| Widowed | 11 | 4.0 | Asthma | 1 | 20.0 |
| Total | 278 | 100.0 | Hypertension | 3 | 60.0 |
| 　 | 　 | 　 | Total | 5 | 100.0 |

**Table S2.** Composite reliability and cronbach’s alpha.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 　 | Cronbach’s Alpha | Factor Loading | Composite Reliability (CR) | Average Variance Extracted (AVE) |
| TIPI | 0.391 | 0.673–0.760 | 0.753 | 0.519 |
| Trust | 0.943 | 0.628–0.714 | 0.953 | 0.744 |
| DR | 0.845 | 0.620–0.779 | 0.889 | 0.618 |
| Fear | 0.897 | 0.671–0.734 | 0.927 | 0.761 |
| Willingness | 0.890 | 0.611–0.727 | 0.919 | 0.694 |
| SDM | 0.945 | 0.643–0.780 | 0.955 | 0.707 |
| DC | 0.975 | 0.646–0.758 | 0.976 | 0.697 |

Criteria: Composite Reliability > 0.7, AVE > 0.5, and Cronbach’s *α* > 0.6.

**Table S3.** AVE for constructs in the research model.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 　 | CR | TIPI | Trust | DR | Fear | Willingness | SDM | DC |
| TIPI | 0.753 | 0.720 | 　 | 　 | 　 | 　 | 　 | 　 |
| Trust | 0.953 | 0.339 | 0.863 | 　 | 　 | 　 | 　 | 　 |
| DR | 0.889 | 0.413 | 0.446 | 0.786 | 　 | 　 | 　 | 　 |
| Fear | 0.927 | −0.128 | 0.118 | −0.019 | 0.872 | 　 | 　 | 　 |
| Willingness | 0.919 | 0.356 | 0.429 | 0.492 | 0.148 | 0.833 | 　 | 　 |
| SDM | 0.955 | 0.320 | 0.763 | 0.420 | 0.196 | 0.476 | 0.841 | 　 |
| DC | 0.976 | 0.319 | 0.698 | 0.461 | 0.128 | 0.405 | 0.807 | 0.835 |

Diagonal elements are the square roots of average variance extracted (AVE).