Supplementary data 2. Phase 3 quantitative data analysis.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Question** |  | **Participant Rating** | | |  |  | **Distributions of Responses** | | | |  | **Face Validity** | | | **Construct Validity** | | | **Content Validity** | **Reliability coefficicent** | | | **Dimension Reduction** | | | | **Principal Components Analysis** | | |
| **Mean** | **(SE)** | **Median** | **Mode** | **(SD)** | **Skewness** | **(SE)** | **Kurtosis** | **(SE)** | **50th pth** | **75th pth** | **Κappa** | **(SE)** | ***p* -value** | **Pearsons χ2** | **(df)** | ***p* -value** | **CVR** | **Cronbachs**  **Alpha (α)** | **Corrected item - total correlation** | **α if item**  **deleted** | **KMO** | **BTS** | **(df)** | ***p* -value** | **PCA**  **Eigenvalues** | **Variance**  **% (SS)** | **Cumulative**  **%** |
| **1** | 3.29 | 0.16 | 3.50 | 4.00 | 0.81 | -0.60 | 0.47 | -1.17 | 0.92 | 3.50 | 4.00 | 0.00 | 0.04 | 1.00 | 48.00 | 46.00 | 0.39 | 1 | 0.75 | 0.63 | 0.94 | 0.50 | 10.75 | 1.00 | 0.001 | 1.627 | 81.364 | 81.364 |
| **2** | 4.13 | 0.13 | 4.00 | 4.00 | 0.61 | -0.06 | 0.49 | -0.09 | 0.92 | 4.00 | 4.75 | 0.04 | 0.04 | 0.17 | 48.00 | 46.00 | 0.39 | 0.917 |  | 0.63 | 0.92 |  |  |  |  | 0.373 | 18.636 | 100 |
| **3** | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* |
| **4** | 4.17 | 0.14 | 4.00 | 4.00 | 0.70 | -0.24 | 0.47 | -0.81 | 0.92 | 4.00 | 5.00 | 0.00 | 0.04 | 1.00 | 48.00 | 46.00 | 0.39 | 0.917 |  | 0.90 | 0.86 |  |  |  |  | 3.238 | 80.947 | 80.947 |
| **5** | 4.08 | 0.15 | 4.00 | 4.00 | 0.72 | -0.12 | 0.47 | -0.91 | 0.92 | 4.00 | 5.00 | 0.00 | 0.04 | 1.00 | 48.00 | 46.00 | 0.39 | 0.833 | 0.92 | 0.88 | 0.87 | 0.75 | 77.61 | 6.00 | 0.001 | 0.406 | 10.139 | 91.086 |
| **6** | 3.83 | 0.14 | 4.00 | 4.00 | 0.70 | -0.58 | 0.47 | 1.05 | 0.92 | 4.00 | 4.00 | 0.00 | 0.05 | 1.00 | 72.00 | 69.00 | 0.38 | 0.833 |  | 0.72 | 0.93 |  |  |  |  | 0.294 | 7.354 | 98.44 |
| **7** | 4.17 | 0.12 | 4.00 | 4.00 | 0.56 | 0.06 | 0.47 | 0.24 | 0.92 | 4.00 | 4.75 | 0.04 | 0.04 | 0.15 | 48.00 | 46.00 | 0.39 | 0.833 |  | 0.78 | 0.91 |  |  |  |  | 0.062 | 1.56 | 100 |
| **8** | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* |
| **9** | 3.63 | 0.19 | 4.00 | 4.00 | 0.92 | -0.58 | 0.47 | -0.37 | 0.92 | 4.00 | 4.00 | 0.04 | 0.04 | 0.21 | 72.00 | 69.00 | 0.38 | 1 |  | 0.69 | 0.77 |  |  |  |  | 2.35 | 78.324 | 78.324 |
| **10** | 3.83 | 0.12 | 4.00 | 4.00 | 0.56 | -0.06 | 0.47 | 0.24 | 0.92 | 4.00 | 4.00 | 0.04 | 0.04 | 0.15 | 48.00 | 46.00 | 0.39 | 1 | 0.83 | 0.84 | 0.70 | 0.66 | 34.39 | 3.00 | 0.001 | 0.473 | 15.77 | 94.094 |
| **11** | 3.25 | 0.18 | 4.00 | 4.00 | 0.90 | -0.54 | 0.47 | -1.58 | 0.92 | 4.00 | 4.00 | 0.00 | 0.03 | 1.00 | 48.00 | 46.00 | 0.39 | 0.833 |  | 0.63 | 0.83 |  |  |  |  | 0.177 | 5.906 | 100 |
| **12** | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* |
| **13** | 4.08 | 0.12 | 4.00 | 4.00 | 0.58 | 0.01 | 0.47 | 0.30 | 0.92 | 4.00 | 4.00 | 0.00 | 0.05 | 1.00 | 48.00 | 46.00 | 0.39 | 1 | 0.76 | 0.66 | 0.70 | 0.50 | 12.44 | 1.00 | 0.001 | 1.663 | 83.138 | 83.138 |
| **14** | 3.58 | 0.18 | 4.00 | 4.00 | 0.88 | -0.69 | 0.47 | -0.23 | 0.92 | 4.00 | 4.00 | 0.00 | 0.05 | 1.00 | 72.00 | 69.00 | 0.38 | 0.917 |  | 0.66 | 0.77 |  |  |  |  | 0.337 | 16.862 | 100 |
| **15** | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* |
| **16** | 4.00 | 0.13 | 4.00 | 4.00 | 0.66 | 0.00 | 0.47 | -0.45 | 0.92 | 4.00 | 4.00 | 0.09 | 0.05 | 0.01 | 48.00 | 46.00 | 0.39 | 0.917 |  | 0.67 | 0.46 |  |  |  |  | 2.074 | 51.85 | 51.85 |
| **17** | 4.25 | 0.12 | 4.00 | 4.00 | 0.61 | -0.16 | 0.47 | -0.35 | 0.92 | 4.00 | 5.00 | 0.09 | 0.05 | 0.01 | 48.00 | 46.00 | 0.39 | 1 | 0.68 | 0.44 | 0.62 | 0.58 | 20.04 | 6.00 | 0.003 | 0.998 | 24.96 | 76.809 |
| **18** | 4.04 | 0.11 | 4.00 | 4.00 | 0.55 | 0.04 | 0.47 | 0.83 | 0.92 | 4.00 | 4.00 | 0.04 | 0.06 | 0.14 | 48.00 | 46.00 | 0.39 | 1 |  | 0.29 | 0.70 |  |  |  |  | 0.639 | 15.965 | 92.774 |
| **19** | 3.71 | 0.16 | 4.00 | 4.00 | 0.81 | 0.06 | 0.47 | -0.50 | 0.92 | 4.00 | 4.00 | 0.04 | 0.05 | 0.22 | 72.00 | 69.00 | 0.38 | 0.833 |  | 0.48 | 0.61 |  |  |  |  | 0.289 | 7.226 | 100 |
| **20** | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* |
| **21** | 2.71 | 0.14 | 3.00 | 3.00 | 0.69 | 0.46 | 0.47 | -0.71 | 0.92 | 3.00 | 3.00 | 0.00 | 0.03 | 1.00 | 48.00 | 46.00 | 0.39 | 1 | 0.62 | 0.45 | 0.28 | 0.50 | 4.96 | 1.00 | 0.026 | 1.454 | 72.689 | 72.689 |
| **22** | 2.88 | 0.17 | 3.00 | 2.00 | 0.85 | 0.25 | 0.47 | -1.59 | 0.92 | 3.00 | 4.00 | 0.04 | 0.04 | 0.22 | 48.00 | 46.00 | 0.39 | 0.917 |  | 0.45 | 0.38 |  |  |  |  | 0.546 | 27.311 | 100 |
| **23** | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* |
| **24** | 4.38 | 0.10 | 4.00 | 4.00 | 0.49 | 0.55 | 0.47 | -1.86 | 0.92 | 4.00 | 5.00 | 0.00 | 0.04 | 1.00 | 24.00 | 23.00 | 0.40 | 1 |  | 0.69 | 0.77 |  |  |  |  | 2.249 | 74.951 | 74.951 |
| **25** | 4.08 | 0.12 | 4.00 | 4.00 | 0.58 | 0.01 | 0.47 | 0.30 | 0.92 | 4.00 | 4.00 | 0.00 | 0.05 | 1.00 | 48.00 | 46.00 | 0.39 | 1 | 0.83 | 0.81 | 0.64 | 0.65 | 28.01 | 3.00 | 0.001 | 0.527 | 17.553 | 92.504 |
| **26** | 3.83 | 0.13 | 4.00 | 4.00 | 0.64 | 0.14 | 0.47 | -0.37 | 0.92 | 4.00 | 4.00 | 0.04 | 0.04 | 0.18 | 48.00 | 46.00 | 0.39 | 0.833 |  | 0.58 | 0.85 |  |  |  |  | 0.225 | 7.496 | 100 |
| **27** | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* | *n/a* |