

CORRECTION

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Correction to: Investigating psychometric properties of the Thai version of the Zarit Burden Interview using rasch model and confirmatory factor analysis

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Following the publication of the original article [1], the authors unfortunately became aware of the following errors in Table 3:

#21 in ZBI-22 should be corrected from 'should do more' to 'could do a better job.'

#12 in ZBI-12 should be corrected from 'should do more' to 'could do a better job.'

The corrected Table 3 is shown below:

The original article can be found online at <https://doi.org/10.1186/s13104-020-04967-w>.

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Table 3 Rasch analysis results of the ZBI

| ZBI-22 | | | | | ZBI-12 | | | | |
|----------------------------------|---------|------------|-------------|----------------------------------|--------|---------|------------|-------------|----------------------------------|
| No. | Measure | INFIT MNSQ | OUTFIT MNSQ | Disordered category or threshold | No. | Measure | INFIT MNSQ | OUTFIT MNSQ | Disordered category or threshold |
| 1. Asks for more help than needs | 0.44 | 1.321 | 1.453 | Yes | | | | | No |
| 2. Not have enough time | 0.04 | 0.912 | 0.859 | No | 1 | - 0.19 | 0.903 | 0.897 | No |
| 3. Feel stressed | - 0.03 | 0.697 | 0.614 | Yes | 2 | - 0.65 | 0.905 | 0.865 | No |
| 4. Feel embarrassed | 0.14 | 1.120 | 1.099 | Yes | | | | | |
| 5. Feel angry | 0.13 | 0.891 | 0.932 | No | 3 | 0.40 | 0.978 | 1.014 | No |
| 6. Negative relationships | 0.37 | 0.941 | 0.956 | Yes | 4 | 0.67 | 1.129 | 0.855 | Yes |
| 7. Afraid about the future | - 0.64 | 1.082 | 1.134 | No | | | | | |
| 8. Dependent on you | - 0.92 | 1.258 | 1.334 | Yes | | | | | |
| 9. Feel strained | 0.23 | 0.760 | 0.655 | No | 5 | 0.33 | 0.818 | 0.781 | Yes |
| 10. Health decreased | 0.31 | 0.646 | 0.795 | No | 6 | 0.40 | 0.806 | 1.083 | No |
| 11. Lack of privacy | - 0.04 | 0.616 | 0.730 | No | 7 | 0.11 | 0.893 | 1.062 | No |
| 12. Lack of social life | 0.19 | 0.675 | 0.639 | No | 8 | 0.32 | 0.701 | 0.682 | No |
| 13. Feel uncomfortable | 0.38 | 0.943 | 1.967 | No | | | | | |
| 14. Expecting to be cared for | - 0.58 | 1.512 | 1.612 | Yes | | | | | |
| 15. Lack of money | 0.12 | 1.355 | 1.399 | No | | | | | |
| 16. Unable to care much longer | 0.72 | 0.789 | 0.777 | Yes | | | | | |
| 17. Lost control of life | 0.60 | 0.844 | 0.737 | Yes | 9 | 0.35 | 0.918 | 0.796 | Yes |
| 18. Leave the care | 0.40 | 1.423 | 1.358 | Yes | | | | | |
| 19. Uncertain about what to do | 0.14 | 0.795 | 0.704 | Yes | 10 | 0.40 | 1.035 | 1.029 | Yes |
| 20. Should do more | - 0.71 | 1.264 | 1.256 | No | 11 | - 1.08 | 1.406 | 1.339 | No |
| 21. Could do a better job caring | - 0.80 | 1.383 | 1.367 | No | 12 | - 1.06 | 1.449 | 1.317 | No |
| 22. Overall feeling of burden | - 0.50 | 0.912 | 0.973 | Yes | | | | | |

| PCA | ZBI-22 | ZBI-12 |
|---|--|---|
| %Variance explained by measures | 46.0% | 48.7% |
| Unexplained variance in first contrast | 2.52 (6.2%) | 3.03 (12.6%) |
| Disattenuated correlation | 0.896-1.000 | 0.357-1.000 |
| Pair of item that standardized residual correlation > 0.2 | #20(should do more)—#21(could do a better job) #11(lack of privacy)—#12(lack of social life) #1(asks for more help than needs)—#18(leave the care) #15(lack of money)—#16(unable to care much longer) #5(feel angry)—#9(feel strained) | #11(should do more)—#12(could do a better job) #3(feel angry)—#5(feel strained) #8(lack of privacy)—#9(lack of social life) |
| Item separation/reliability | 2.57/0.87 | 2.03/0.80 |
| Person separation/reliability | 4.08/0.94 | 3.97/0.94 |

ZBI, Zarit Burden Interview; PCA, Principal component analysis; INFIT, inlier-pattern-sensitive fit statistic; OUTFIT, outlier-sensitive fit statistic; MNSQ, mean-square; #, item number

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1. Pinyopornpanish K, Pinyopornpanish M, Wongpakaran N, Wongpakaran T, Soontornpun A, Kuntawong P. Investigating psychometric properties of the Thai version of the Zarit Burden Interview using rasch model and confirmatory factor analysis. *BMC Res Notes*. 2020;13:120. <https://doi.org/10.1186/s13104-020-04967-w>.

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