

Search Q \Box Log in



International Workshop on Gerontechnology

IWoG 2019: Gerontechnology pp 314-329

Psychometric Qualities of a Core Set to Ascertain the Functional Profile of Portuguese Elderly Citizens

Maria Goes, Manuel Lopes, Henrique Oliveira

✓, João Marôco, César Fonseca, Margarida Santos & José Caeiro

Conference paper | First Online: 29 February 2020

637 Accesses 2 Citations

Part of the Communications in Computer and Information Science book series (CCIS, volume 1185)

The affiliation information of the Author "Margarida Santos" has been corrected as "Escola de Medicina Tradicional Chinesa, Lisbon, Portugal". The correction to this chapter is available at https://doi.org/10.1007/978-3- 030-41494-8 36

The original version of this chapter was revised:



Abstract

Objectives: This paper describes the psychometric qualities of a core set composed initially of 31 codes and extracted from International Classification of Functioning, Disability and Health,

to ascertain the Functional Profile of Portuguese Elderly Citizens, residing in their own home or at a family or friends' home. Methods: Cross-sectional, descriptive study, with a final sample totaled 351 elderlies. Data collected by health professionals in the participants' houses, using the Elderly Nursing Core Set questionnaire. Results: The recommendation of the construct to the EFA was "excellent". Regarding reliability, the construct revealed factorial reliability. In terms of validity, the construct presented factorial validity and convergent validity, although failing regarding discriminant validity. Discussion: Comparing psychometric qualities between the original Elderly Nursing Core Set previously applied to institutionalized citizens in relation to the one presented in this paper (citizens residing in their own home or at a family or friends' home), lead to five latent factors and differences between functional profiles. More than half of the citizens are married and almost half of the sample never went to school, thus revealing an important aspect characterizing a lower literacy level of the citizens involved in this research.

Conclusions: The work based on Core Sets extracted from the International Classification of Functioning, Disability and Health, delineated to assess the nursing care needs and/or the outcomes of nursing interventions of citizens aged 65 years old or older, will be an ongoing process that will lead to the promotion of an Healthy Ageing and

functional ability, as stated by World Health Organization.

Keywords

Ageing Elderly residing in the community

Functionality profile assessment

Confirmatory Factor Analysis

This is a preview of subscription content, <u>access via</u> your institution.

Chapter

EUR 29.95

Price includes VAT (Portugal)

- DOI: 10.1007/978-3-030-41494-8_31
- Chapter length: 16 pages
- Instant PDF download
- · Readable on all devices
- Own it forever
- · Exclusive offer for individuals only
- · Tax calculation will be finalised during checkout

Buy Chapter

✓ eBook

EUR 64.19

Price includes VAT (Portugal)

- ISBN: 978-3-030-41494-8
- Instant PDF download
- · Readable on all devices
- Own it forever
- Exclusive offer for individuals only
- · Tax calculation will be finalised during checkout

Buy eBook

Learn about institutional subscriptions

Change history

• 25 June 2021

A correction has been published.

References

2019

- PORDATA: Ageing index [Internet]. PORDATA:
 The Database of Contemporary Portugal (2017).
 https://www.pordata.pt/en/Europe/Ageing+index-1609. Accessed 13 Oct 2019
- United Nations: World Population Ageing 2019:
 Highlights.
 https://www.un.org/en/development/desa/population/publications/pdf/ageing/WorldPopulationAgeing2019-Highlights.pdf.
 Accessed 13 Oct
- 3. INE: Life expectancy was 80.80 years at birth and 19.49 years at age 65 2016 2018 [Demographic Data] (2019). Portuguese Life Tables. https://www.ine.pt/xportal/xmain? xpid=INE&xpgid=ine_destaques&DESTAQUESd est_boui=354096866&DESTAQUESmodo=2&x lang=en. Updated 31 Mar 2019, Accessed 13 Oct 2019
- 4. PORDATA: Healthy life years at 65: by sex [Internet]. PORDATA: The Database of Contemporary Portugal (2017). (Male) https://www.pordata.pt/en/Europe/Healthy+life+

<u>years+at+65+by+sex-1590-211621</u>. (Female)

<u>https://www.pordata.pt/en/Europe/Healthy+life+</u>

<u>years+at+65+by+sex-1590-211622</u>. Accessed

13 Oct 2019

- 5. European Observatory on Health Systems and Policies: Health System Review Portugal (Phase 1 Final Report) [Report]: World Health Organization (2018).
 https://www.sns.gov.pt/wp-content/uploads/2018/04/PortugalReviewReportontonton Printers 03April2018-2.pdf. Accessed 13 Oct 2019
- 6. Gruneir, A., Silver, M.J., Rochon, P.A.: Review: emergency department use by older adults: a literature review on trends, appropriateness, and consequences of unmet health care needs. Med. Care Res. Rev. 68(2), 131–155 (2011). https://doi.org/10.1177/1077558710379422. https://journals.sagepub.com/doi/abs/10.1177/1077558710379422. Accessed 13 Oct 2019
- 7. Brandão, D., Ribeiro, Ó., Paúl, C.: Functional, sensorial, mobility and communication difficulties in the Portuguese oldest old (80+). Acta Médica Portuguesa Revista da Ordem dos Médicos 30(6), 463–471 (2017). https://doi.org/10.20344/amp.8060. https://www.actamedicaportuguesa.com/revista/index.php/amp/article/download/8060/5075. https://www.actamedicaportuguesa.com/revista/index.php/amp/article/download/8060/5075. Accessed 13 Oct 2019

- 8. Hsieh, V.C.-R., Hsieh, M.-L., Chiang, J.-H., Chien, A., Hsieh, M.-S.: Emergency department visits and disease burden attributable to ambulatory care sensitive conditions in elderly adults. Sci. Rep. 9(3881) (2019). 9 p. https://doi.org/10.1038/s41598-019-40206-4. Accessed 13 Oct 2019
- 9. Petronilho, F.: Autocuidado Conceito Central da Enfermagem. Formasau, Portugal (2012).130 p.
- Fonseca, C., Lopes, M., Mendes, D., Parreira, P., Mónico, L., Marques, C.: Psychometric properties of the elderly nursing core set. In: García-Alonso, J., Fonseca, C. (eds.) IWoG 2018. CCIS, vol. 1016, pp. 143–153. Springer, Cham (2019). https://doi.org/10.1007/978-3-030-16028-9 13
- 11. Lesende, I., et al.: Functional decline and associated factors in patients with multimorbidity at 8 months of follow-up in primary care: the functionality in pluripathological patients (FUNCIPLUR) longitudinal descriptive study. BMJ Open 8, e022377 (2018).
 https://doi.org/10.1136/bmjopen-2018-022377.
 10 p.

https://bmjopen.bmj.com/content/bmjopen/8/7/ /e022377.full.pdf. Accessed 13 Oct 2019

- 12. WHO: International Classification of Functioning, Disability and Health (ICF) [Web Page]. WHO Classifications. https://www.who.int/classifications/icf/en/. Accessed 14 Oct 2019
- 13. Chan, F., Gelman, J.S., Ditchman, N., Kim, J.-H., Chiu, C.-Y.: The World Health Organization ICF model as a conceptual framework of disability. In: Chan, F., Cardoso, E., Chronister, J. (eds.) Understanding Psychosocial Adjustment to Chronic Illness and Disability: A Handbook for Evidence-Based Practitioners in Rehabilitation, 1st edn, pp. 23–50. Springer, New York (2009)
- 14. Gonçalves, H., et al.: Population-based study in a rural area: methodology and challenges. Revista de Saúde Pública 52(Suppl 1) (2018). http://dx.doi.org/10.11606/s1518-8787.2018052000270. 11s p. http://www.scielo.br/pdf/rsp/v52s1/0034-8910-rsp-52-s1-S1518-52-87872018052000270.pdf. Accessed 14 Oct 2019

- 15. ULSBA: Unidade Local de Saúde do Baixo Alentejo (2016). http://www.ulsba.min-saude.pt/
- 16. Fonseca, C.: Modelo de autocuidado para pessoas com 65 e mais anos de idade, necessidades de cuidados de enfermagem. Ph.D. thesis, Universidade de Lisboa (2014). http://hdl.handle.net/10451/12196
- 17. WHO: How to use the ICF A Practical Manual for using the International Classification of Functioning, Disability and Health (ICF) (2013). https://www.who.int/classifications/icf/en/
- 18. WHO: ICF CHECKLIST Version 2.1a, Clinician Form for International Classification of Functioning, Disability and Health (2013). https://www.who.int/classifications/icf/en/
- Marôco, J.: Análise Estatística com o SPSS Statistics, 6th edn., Report Number (2014).
 990 p.
- 20. Marôco, J.: Análise de Equações Estruturais: Fundamentos teóricos, Software & Aplicações, 2nd edn., Report Number (2014)

- 21. Hair, J., Anderson, R., Tatham, R., Black, W.:
 Multivariate Data Analysis. Pearson Education
 Limited, New York (2014). 739 p.
- 22. WHO: Ageing and life-course What is Healthy Ageing? (2019).

 https://www.who.int/ageing/healthy-ageing/en/

Acknowledgements

This work was supported by 4IE project (0045-4IE-4-P) funded by the Interreg V-A España-Portugal (POCTEP) 2014–2020 program.

Author information

Authors and Affiliations

Escola Superior de Saúde, Instituto Politécnico de Beja, Beja, Portugal

Maria Goes

Escola Superior de Enfermagem de São João de Deus, Universidade de Évora, Évora, Portugal Manuel Lopes & César Fonseca

Instituto de Telecomunicações, IST Torre Norte
 Piso 10, Av. Rovisco Pais, Lisbon, Portugal
 Henrique Oliveira

Instituto Universitário de Ciências Psicológicas, Sociais e da Vida, Lisbon, Portugal

João Marôco

Escola de Medicina Tradicional Chinesa, Lisbon,

Portugal

Margarida Santos

Instituto de Engenharia de Sistemas e Computadores, INESC-ID, Lisbon, Portugal

José Caeiro

Corresponding author

Correspondence to Henrique Oliveira.

Editor information

Editors and Affiliations

University of Extremadura, Cáceres, Spain

José García-Alonso

University of Évora, Évora, Portugal

Prof. Dr. César Fonseca

Ethics declarations

The authors declare that they have no conflicts of interest.

Rights and permissions

Reprints and Permissions

Copyright information

© 2020 Springer Nature Switzerland AG

About this paper

Cite this paper

Goes, M. et al. (2020). Psychometric Qualities of a Core

Set to Ascertain the Functional Profile of Portuguese

Elderly Citizens. In: García-Alonso, J., Fonseca, C. (eds)

Gerontechnology. IWoG 2019. Communications in

Computer and Information Science, vol 1185. Springer,

Cham. https://doi.org/10.1007/978-3-030-41494-8_31

<u>.RIS ★ .ENW ★ .BIB ↓</u>

DOI

https://doi.org/10.1007/978-3-030-41494-8_31

Published Publisher Name Print ISBN

29 February Springer, Cham 978-3-030-

2020 41493-1

Online ISBN eBook Packages

978-3-030- Computer Science

41494-8 <u>Computer Science</u>

<u>(R0)</u>

Not logged in - 85.138.15.30

B-on Consortium Portugal (3000187211) - B-on Consortium Portugal (3991329481) - Universidade de Évora, member of B-on Consortium Portugal (2000479569)

SPRINGER NATURE

© 2023 Springer Nature Switzerland AG. Part of Springer Nature.