

Introduction

Nursing is a scientific discipline that is expanding and building specific knowledge.

NANDA International, Inc., established a taxonomy that contributes to the development of diagnostics based on research and clinical validation studies (Herdman, Kamitsuru & Lopes, 2021).

Accurate nursing diagnoses are essential for the proper use of the nursing process, which is a scientific methodology that supports the clinical practice of nurses.

However, most of these studies have a cross-sectional design, this reality can bring several weaknesses regarding the knowledge of the diagnosis profile over time and, therefore, limit the development of appropriate interventions (Miguel et al., 2019).

Aim

The aim of this work is to synthesize the importance of longitudinal research in the validation of nursing diagnoses.

Methods

Critical analysis of the importance of longitudinal research in the validation of nursing diagnoses.



#NANDA2021
The 2021 NANDA International Conference
NANDAConference@bc.edu

Longitudinal studies:

a step forward diagnosis understanding and development

Sílvia Caldeira PhD, MSc, RN¹; Helga Martins RN²; Tiago Casaleiro MSc, MRS, RN²; Susana Miguel MSc, RN²; Joana Romeiro MSc, RN²; Rita Santos Silva MSc, RN²

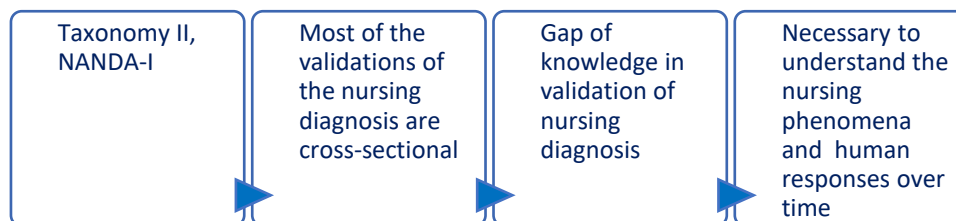
¹Assistant Professor, Researcher at the Centre for Interdisciplinary Research in Health, Institute of Health Sciences, Universidade Católica Portuguesa, Lisbon, Portugal.

E-mail: scaldeira@ucp.pt

²PhD Student in nursing, Institute of Health Sciences, Universidade Católica Portuguesa, Lisbon, Portugal.

Results

Nursing diagnosis



Longitudinal studies limitations and advantages

- Attrition of the sample
- Complexity of the logistic and data analysis
- Expensive
- Take a long time

Limitations

Advantages

- Establish cause-effect relations
- Identify mediators, moderator and confusion variables
- Understand the effect of evolution of time on variables

Importance of longitudinal studies in validation of nursing diagnoses



Conclusions

Although research with a longitudinal design presents some drawbacks and challenges regarding its execution, it is vital to understand the human responses over time and have more accurate nursing diagnosis.

Implications for nursing practice

Longitudinal design has the benefit to appear innovative in clinical research on nursing diagnoses and to facilitate the planning, fundamental for the efficiency of nursing interventions concerning the patient health outcomes.

References

- Herdman, T.H., Kamitsuru, S. & Lopes, C. T. (Eds.). (2021). *NANDA: NANDA International Nursing Diagnoses: Definitions and Classification 2021–2023*, 12th ed. New York: Thieme.
- Miguel, S., Romeiro, J., Martins, H., Casaleiro, T., Caldeira, S., & Herdman, T. H. (2019). "Call for the Use of Axial Terms": Toward Completeness of NANDA-I Nursing Diagnoses Labels. *International Journal of Nursing Knowledge*, 30(3), 131–136. <https://doi.org/10.1111/2047-3095.12228>

NANDA INTERNATIONAL



BOSTON COLLEGE
Connell School of Nursing