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Multidimensional model of successful aging and nursing terminologies: similarities for use in the clinical practice

Modelo multidimensional de envelhecimento bem sucedido e terminologias de enfermagem:

semelhanças para aplicação na prática clínica

Modelo multidimensional de envejecimiento exitoso y terminologías de enfermería:

semejanzas para aplicación en la práctica clínica

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ABSTRACT

Aim: To compare the domains of the Multidimensional Model of Successful Aging (MMSA) with the nursing terminologies, such as, NANDA International (NANDA-I), Nursing Interventions Classification (NIC) and Nursing Outcomes Classification (NOC), in order to find similarities among them.

Method: Cross-mapping between MMSA and nursing terminologies in two stages: individual analysis and comparison between the MMSA and the nursing terminologies, based on the mapping process rules; consensus among researchers to validate the results.

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Results: All NOC and NIC domains were mapped with similarity in the MMSA domains, and 12 of the 13 NANDA-I domains showed similarity to the MMSA domains. In addition, similarity was identified between MMSA and most classes of the three classifications.

Conclusions: The similarity between MMSA, NANDA-I, NIC and NOC supported the idea that the MMSA framework can be used in the nursing process to qualify the nursing practice in the elderly care.

Keywords: Aging. Nursing process. Standardized nursing terminology.

RESUMO

Objetivo: Comparar domínios do Modelo Multidimensional do Envelhecimento Bem Sucedido (MMES) com as terminologias de enfermagem, NANDA *International* (NANDA-I), *Nursing Interventions Classification* (NIC) e *Nursing Outcomes Classification* (NOC) em busca de semelhanças entre eles.

Métodos: Mapeamento cruzado entre MMES e terminologias de enfermagem realizado em duas etapas: análise individual e comparação do MMES e terminologias de enfermagem, com base nas regras do processo de mapeamento; consenso entre os pesquisadores para validar os resultados.

Resultados: Todos os domínios NOC e NIC foram mapeados com similaridade nos domínios MMES, e 12 dos 13 domínios NANDA-I mostraram semelhança com os domínios MMES. Além disso, identificou-se semelhança entre o MMES e a maioria das classes das três classificações.

Conclusões: A similaridade entre MMES e NANDA-I, NIC, NOC fortaleceu a ideia de que o referencial do MMES pode ser entrelaçado com o processo de enfermagem para qualificar a prática de enfermagem no cuidado ao idoso.

Palavras-chave: Envelhecimento. Processo de enfermagem. Terminologia padronizada em enfermagem.

RESUMEN

Objetivo: Comparar dominios del Modelo Multidimensional del Envejecimiento Exitoso (MMES) con las terminologías de enfermería, NANDA *International* (NANDA-I), *Nursing Interventions Classification* (NIC) y *Nursing Outcomes Classification* (NOC) en busca de similitudes.

Métodos: Mapeo cruzado entre MMES y las terminologías de enfermería realizado en dos etapas: análisis individual y comparación de MMES con las terminologías de enfermería, basado en las reglas del proceso de mapeo; consenso entre los investigadores para validar resultados.

Resultados: Todos los dominios NOC y NIC se asignaron con similitud en los campos MMES, y 12 de los 13 dominios NANDA-I mostraron similitud con los campos MMES. Además, se identificó similitud entre el MMES y la mayoría de las clases de las clasificaciones.

Conclusiones: La similitud entre MMES y NANDA-I, NIC, NOC fortaleció la idea de que el referencial del MMES puede entrelazarse con el proceso de enfermería para calificar la práctica de enfermería en el cuidado al anciano.

Palabras clave: Envejecimiento. Proceso de enfermería. Terminología normalizada de enfermería.

INTRODUCTION

The population aging has been increasing dramatically in recent decades and global projections are indicating that the population will continue to grow. According to the publication of the World Health Organization (WHO), the world's population for individuals over 60 years old has been estimated around 841 million people and is projected to reach two billion by 2050. This expected population growth creates a major global public health challenge, because "aging well" must become a global priority. Family members, health professions and the community resources will be expected to maintain the well-being of these individuals. In addition, there is the likelihood that a number of these individuals maybe dealing with a series of common chronic diseases⁽¹⁾.

It is known that human aging is common to all and is influenced by physiological, sociological and psychological elements. But one should not consider aging as a synonym for disease. However, the advancement of age may lead to a decrease in the functional capacity of the elderly, with a decrease and even loss of autonomy and independence, and a further compromising of the individuals quality of life⁽²⁾. Thus, it is critical to evaluate if this loss of functional capacity is due to the aging process or is a consequence of the accumulation of disease. When health professionals can differentiate between these two factors, it enables them to intervene in the most effective manner.

To that end, studies have been conducted to gain a better understanding of the complexity of "successful aging" with positive results⁽³⁻⁴⁾. In the authors' opinion, one of the definitions of successful aging most encompassing of these critical multidimensional elements is: *"a state wherein an individual is able to invoke adaptive psychological and social mechanisms to compensate for physiological limitations to achieve a sense of well-being, high self-assessed quality of life, and a sense of personal fulfillment even in the context of illness and disability"*⁽³⁾.

Based on this holistic definition of successful aging, the authors proposed and validated its conceptual framework: the Multidimensional Model of Successful Aging (MMSA), which presents three domains of health (physiological, psychological and sociological)⁽³⁻⁴⁾. Thus, MMSA allows health professionals to identify the prevalence of chronic conditions and functional limitations in the elderly at an appropriate time. This framework also enables the identification of individuals who are aging successfully, despite changes in any of the respective domains. These individuals are able to age successful due to compensatory mechanisms, which maximize the remaining intact domains.

The use of MMSA implies a gradual and continuous approach to the elderly, since the measurement of successful aging should not be performed in only one evaluation. So, the nurses in clinical practice in the care of the elderly, guided by the Nursing Process (NP) and aligned with this proposed model will be able to assess the individuals holistically.

In using this model, the nurses who assist an elderly person can select a nursing diagnosis based on data obtained from the evaluation of the different health domains, i.e., physiological, psychological and sociological. From this, nurses in concert with the individuals (clients) establish the outcomes they wish to achieve and implement interventions to improve or compensate their limited health domain, or strengthen it with resources to enhance the selected domain and thus, promote successful aging.

This is a way nurses can use the MMSA and NP together, with MMSA being a guideline for assessing the elderly and then using the NP to assist in their work with clients to maximize successful aging. Since the authors are suggesting the use of these two frameworks in this manner, it is critical the readers have information on the NP and the use of the standardized nursing language (SNL), called recently by some professionals as Advanced Nursing Process⁽⁵⁾.

As the term suggests, it is reflective of the NP and does encompass the use of valid assessment tools and well-defined nursing diagnoses, interventions and outcomes that are standardized and explained in scientifically based SNL within the process⁽⁶⁾. Various SNLs are used by nurses worldwide, however in certain parts of the world the most commonly used are NANDA International (NANDA-I) Nursing Interventions Classification (NIC) and Nursing Outcomes Classification (NOC). These classifications languages also are structured similarly to the MMSA⁽⁷⁻⁹⁾.

However, to date there are no published studies that have investigated the comparison between MMSA and NANDA-I, NOC and NIC (NNN). Therefore, this study seeks to answer the following question: What is the degree of similarity between NANDA-I, NIC and NOC domains and classes and the health domains proposed by MMSA? Thus, the goal of this study is to compare the domains of MMSA with the components of NANDA-I, NIC and NOC in the search for similarities between them.

METHODS

This is a cross-mapping study, which is a process of explaining or expressing something through similar words or with the same meaning, in order to allow the comparison of data from different sources⁽¹⁰⁻¹¹⁾. The use rules for this methodological process can be

defined during its design, according to the characteristics and particularities of the studied data⁽¹¹⁾. So, the rules established for the cross-mapping between the MMSA domains and the NANDA-I, NIC and NOC domains (NNN) in this study were:

- Compare the similarity of the meaning of each domain of MMSA (physiological, psychological and sociological) with the domains and classes of each of the NNN classifications considering the title and definition of each, as well as the diagnoses, interventions and nursing results that make them up;

- Consider words that are equal, similar or with the same meaning;

- Consider opposing concepts when mapping the MMSA with the NIC and NOC, since the interventions and the results describe a positive state that one wants to reach in a clinical situation that may be negative.

The cross-mapping was performed by seven Brazilian and North American research nurses with knowledge about the MMSA and NNN, as well as clinical experience in the elderly care and expertise about the method. It was done individually and independently and afterwards, a consensus was made between them to unify the results.

Therefore, the cross-mapping process was implemented in two different steps: first, the authors analyzed and compared the elements of the MMSA and of the NNN in search of similarities based on the mapping process rules in an individual and independent way. This phase of the study was conducted in the first semester of 2017 by Brazilian researchers, followed by a review of the findings by the North American researcher who received and resubmitted the material by e-mail.

Afterwards, the seven researchers met in person to make an attempt at consensus on the results that had been found; as a consequence of the discussion, the results were validated. This last stage was developed in the second semester of 2017 and was made through a video conference between the researchers and also at a face-to-face meeting between representatives of the Brazilian and the North American researchers at The University of Iowa, United States of America.

RESULTS

The three major domains of MMSA (physiological, psychological and sociological) were compared to each of the nursing classifications (NNN), beginning with the domains and classes. At the end of the cross-mapping, it was verified that all of the NOC and NIC domains were mapped with similarity in the MMSA domains, and 12 of the 13 NANDA-I domains

showed similarity to the MMSA domains. In addition, similarity was identified between MMSA and most classes of the three individual classifications^(3,4,7-9).

CLASSES * MMSA DOMAINS NANDA-I DOMAINS * PHYSIOLOGICAL 1. Health Promotion: The awareness of 1- Health awareness Physiological well-being or normality of function and 2- Health management components, strategies used to maintain control of and diseases, (e.g., enhance that well- being or normality of congestive heart function. failure, hip fracture, 2. Nutrition: The activities of taking in, 1- Ingestion osteoporosis, assimilating, and using nutrients for the 2-Digestion osteoarthritis and purposes of tissue maintenance, tissue 3- Absorption cancer) and repair, and the production of energy. 4- Metabolism functional 5-Hydration impairments (e.g., **3. Elimination and Exchange:** 1- Urinary function difficulty in standing Secretion and excretion of waste 2- Gastrointestinal for long periods). products from the body. function 3- Integumentary function 4- Respiratory function 4. Activity/Rest: The production, 1-Sleep/Rest conservation, expenditure, or balance of 2- Activity/Exercise 3- Energy balance energy resources. 4- Cardiovascular/ Pulmonary responses 5- Self-care 5. Perception/Cognition: The human 1- Attention processing system including attention, 2- Orientation orientation, sensation, perception, 3- Sensation/Perception cognition, and communication. 4- Cognition 5- Communication 8. Sexuality: Sexual identity, sexual 2- Sexual function function, and reproduction. **11. Safety/Protection:** Freedom from 1- Infection danger, physical injury, or immune 2-Physical injury system damage; preservation from loss; 3-Violence and protection of safety and security. 4- Environmental Hazards 5- Defensive processes 6- Thermoregulation 12. Comfort: Sense of mental, physical, 1- Physical comfort or social well-being or ease. 1- Ingestion **PSYCHOLOGICAL** 2. Nutrition: The activities of taking in, Psychological assimilating, and using nutrients for the purposes of tissue maintenance, tissue components (e.g., emotional vitality, repair, and the production of energy.

The cross-mapping between the MMSA and NANDA-I are detailed in Chart 1.

coping, resilience, cognitive function).	4. Activity/Rest: The production, conservation, expenditure, or balance of energy resources.	1- Sleep/Rest
	5. Perception/Cognition: The human processing system including attention, orientation, sensation, perception, cognition, and communication.	4- Cognition5- Communication
	6. Self-perception: Awareness about the self.	1-Self-concept 2-Self-esteem 3-Body image
	7. Role relationships: The positive and negative connections or associations between people or groups of people and the means by which those connections are demonstrated.	2-Family relationships3-Role performance
	9. Coping/Stress tolerance: Contending with life events/life processes.	1-Post-trauma responses2-Coping responses3-Neurobehavioral stress
	10. Life principles: Principles underlying conduct, thought, and behavioral about acts, customs, or institutions viewed as being true or having intrinsic worth.	1-Values2-Beliefs3-Value/belief/actioncongruence
	11. Safety/Protection: Freedom from danger, physical injury, or immune system damage; preservation from loss; and protection of safety and security.	3- Violence
SOCIOLOGICAL Social Components (e.g., spirituality and adaptation through social support	1. Health Promotion: The awareness of well-being or normality of function and strategies used to maintain control of and enhance that well- being or normality of function.	 Health awareness Health management
mechanisms).	2. Nutrition: The activities of taking in, assimilating, and using nutrients for the purposes of tissue maintenance, tissue repair, and the production of energy.	1- Ingestion
	4. Activity/Rest: The production, conservation, expenditure, or balance of energy resources.	1- Sleep/Rest
	7. Role relationships: The positive and negative connections or associations between people or groups of people and the means by which those connections are demonstrated.	1-Caregiving roles2-Family relationships3-Role performance

10. Life principles: Principles	1-Values
underlying conduct, thought, and	2-Beliefs
behavioral about acts, customs, or	
institutions viewed as being true or	
having intrinsic worth.	
12. Comfort: Sense of mental, physical,	2- Environmental comfort
or social well-being or ease.	3- Social comfort
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Chart 1 - NANDA-I domains with its definitions and classes mapped with similarity to the MMSA domains

Source: Authors, 2017.

* All NANDA-I domains and classes are also identified by a number in addition to the title in their original book, which are reproduced in this table.

The Domain 13 of the NANDA-I, Growth/Development and its two classes (Growth and Development) were not mapped in the domains of MMSA, as their titles, definitions and nursing diagnoses did not demonstrate similarity with the definitions of any of the domains within the model. Likewise, Classes 1- Sexual identity and 3- Reproduction, which make up Domain 8, were not identified with MMSA similarity.

In the mapping of MMSA with NIC, similarity was identified with all seven domains and 25 of the 30 classes of this classification (Chart 2).

DOMAINS MMSA	NIC DOMAINS*	CLASSES**
PHYSIOLOGICAL	1. Physiological Basic: Care	A-Activity and Exercise
Physiological	that supports physical	Management
components, diseases,	functioning.	B-Elimination Management
(e.g., congestive heart		C-Immobility Management
failure, hip fracture,		D-Nutrition Support
osteoporosis,		E-Physical Comfort Promotion
osteoarthritis and		F-Self-Care Facilitation
cancer) and functional	2. Physiological Complex:	G-Electrolyte and Acid-Base
impairments (e.g.	Care that supports homeostatic	Management
difficulty in standing	regulation.	H-Drug Management
for long periods).		I-Neurologic Management
		K-Respiratory Management
		L-Skin/Wound Management
		M-Thermoregulation
		N-Tissue Perfusion Management
	4. Safety: Care that supports	U-Crisis Management
	protection against harm.	V-Risk Management

PSYCHOLOGICAL Psychological components (e.g., emotional vitality, coping, resilience, cognitive function).	3. Behavioral: Care that supports psychosocial functioning and facilitates life style changes.	O-Behavior Therapy P-Cognitive Therapy Q-Communication Enhancement R-Coping Assistance S-Patient Education T- Psychological Comfort Promotion
	4. Safety: Care that supports protection against harm.	U-Crisis Management V-Risk Management
SOCIOLOGICAL Social Components (e.g., spirituality and adaptation through	3. Behavioral: Care that supports psychosocial functioning and facilitates life style changes.	Q-Communication Enhancement R-Coping Assistance S-Patient Education
social support mechanisms).	5. Family: Care that supports the family.	X-Lifespan Care
	6. Health System: Care that supports effective use of the health care delivery system.	Y-Health System Mediation
	7. Community: Care that supports the health of the community.	C-Community Health Promotion D-Community Risk Management

Chart 2 - NIC domains with its definitions and classes mapped with similarity to the MMSA domains

Source: Authors, 2017.

* All NIC domains in its original book are identified by a number in addition to the title, which are reproduced in that table.

** All NIC classes in its original book are identified by a letter in addition to the title, which are reproduced in this table.

The five NIC classes not mapped with the MMSA domains were J-Perioperative Care (Physiological Complex Domain); W-Childbearing Care and Z-Childrearing Care (Family Domain); A-Community Health Promotion and b-Community Risk Management (Community Domain).

The mapping between the MMSA and the NOC showed similarity with all the seven domains and with 29 of the 32 classes of this classification (Chart 3).

MMSA DOMAINS	NOC DOMAINS	CLASSES
PHYSIOLOGICAL	1 – Functional Health:	A-Energy Maintenance
Physiological components, diseases, (e.g., congestive heart	Outcomes that describe the capacity for and performance of basic tasks of life.	B-Growth & Development C-Mobility D-Self-care

failure, hip fracture, osteoporosis, osteoarthritis and cancer) and functional impairments (e.g., difficulty in standing for long periods).	2 – Physiologic Health: Outcomes that describe organic functioning.	E-Cardiopulmonary F-Elimination G-Fluids & Electrolytes H-Immune Response I-Metabolic Regulation J-Neurocognitive K-Digestion & Nutrition AA-Therapeutic Response L-Tissue Integrity Y-Sensory Function
	5 – Perceived Health: Outcomes that describe impressions of an individual's health and health care.	U-Health & Life Quality V-Symptom Status
PSYCHOLOGICAL Psychological components (e.g., emotional vitality,	1 - Functional Health: Outcomes that describe the capacity for and performance of basic tasks of life.	B-Growth & Development
coping, resilience, function, cognitive).	2 - Physiologic Health: Outcomes that describe organic functioning.	J-Neurocognitive
	3 – Psychosocial Health: Outcomes that describe psychological and social functioning.	M-Psychological Well-Being N-Psychosocial Adaptation O-Self-Control
	4 – Health Knowledge & Behavior: Outcomes that describe attitudes, comprehension, and actions with respect to health and illness.	Q-Health Behavior S-Health Knowledge T-Risk Control & Safety
	5 – Perceived Health: Outcomes that describe impressions of an individual's health and health care.	EE-Satisfaction with Care
	6 – Family Health: Outcomes that describe health status, behavior, or functioning of the family as a whole or of an individual as a family member.	X-Family Well-Being
SOCIOLOGICAL Social Components (e.g., spirituality and adaptation through	1 - Functional Health: Outcomes that describe the capacity for and performance of basic tasks of life.	B-Growth & Development
social support mechanisms).	3 - Psychosocial Health: Outcomes that describe	N-Psychosocial Adaptation P-Social Interaction

psychological and social functioning.	
4 – Health Knowledge &	Q-Health Behavior
Behavior: Outcomes that	S-Health Knowledge
describe attitudes,	T-Risk Control & Safety
comprehension, and actions	
with respect to health and	
illness.	
5 – Perceived Health:	EE-Satisfaction with Care
Outcomes that describe	
impressions of an individual's	
health and health care.	
6 – Family Health:	X-Family Well-Being
Outcomes that describe health	
status, behavior, or functioning	
of the family as a whole or of	
an individual as a family	
member.	
7 – Community Health:	BB-Community Well-Being
Outcomes that describe the	CC-Community Health
health, well-being, and	Protection
functioning of a community or	
population.	

Chart 3 - NOC domains with its definitions and classes mapped with similarity to the MMSA domains

Source: Authors, 2017.

* All NOC domains in its original book are identified by a number in addition to the title, which are reproduced in this table.

** All NOC classes in its original book are identified by a letter in addition to the title, which are reproduced in this table.

The three classes of NOC not mapped to the domains of MMSA were W - Family Caregiver Performance, Z - Family Member Health Status and DD - Parenting, all of them from Domain 6 - Family Health.

DISCUSSION

The cross-mapping showed high similarity between MMSA and SNL (NNN) domains, strengthening the idea the MMSA framework can be coupled with the nursing process to improve the fragilities and /or strengthen the potentialities of the elderly. By doing this, it is possible to compensate possible physiological losses and disabilities that present themselves at this stage of life. The nurse needs to assess the intrinsic capacity of the elderly, which is a composite of all physical and mental capacities of an individual. By focusing on intrinsic capacity, i.e., the person's biological, emotional, cognitive, social, spiritual and physical

status, the nurses can be better informed about the patient and plan more effectively with him/her and the family to provide care that addresses all spheres⁽¹²⁾.

Studies on successful aging point out that attention must be paid to the multidimensionality of the individual. Successful aging is not synonymous with absence of disease, since successful aging includes psychological, sociological and spirituality dimensions. In addition, the successful aging must consider what is well-being, because the elderly's self-perception is found to be a central predictive factor in experiencing successful aging. Expanding assessment beyond the disease paradigm allows to focus on the person, his / her goals, desires, and strengths to achieve those goals. This is the person-centered care, which is gaining increasing importance in the delivery of care⁽¹³⁻¹⁴⁾.

So, when nurses use the MMSA as the basis for assessment, it's possible to evaluate all the dimensions of the elderly individual and this assessment enables nurses to develop a more accurate nursing diagnosis. This assessment involves the collection of subjective and objective data and is probably the most critical step in the nursing process, because the interpretation of the collected data enable nurses to make an adequate diagnosis to the needs of the patient, as well as select the appropriate interventions to achieve the expected outcomes.

Assessment provides also the best opportunity for nurses to establish a relationship with the patient, it is both an intellectual and interpersonal nursing activity⁽⁷⁾. Therefore, the use of a theory or a model like the MMSA provides a cognitive map and is a very important method to assist the clinical reasoning of the nursing process. Thus, nurses have a framework that reliably guides the data collection, with the different domains and stratifies risk of the older people.

The high degree of similarity between the MMSA domains and the NANDA-I domains and classes demonstrates the elements that guide the data collection, which lead to a nursing diagnosis. The twelve domains of NANDA-I mapped with similarity to MMSA involve different dimensions of care, going beyond biomedical constructs. Several studies reinforce the need to assess the elderly from different perspectives, for example, a recent review study stated that common non-biomedical constructs associated with successful aging include engagement, optimism and/or positive attitude, resilience (including coping), spirituality and/or religiosity, self-efficacy and/or self-esteem, and gerotranscendence⁽¹⁵⁾. In addition, another study verified that successful aging had significant negative correlation with daily stress and positive correlation with resilience, therefore, the development and practical application of an intervention program to improve resilience is recommended⁽¹⁶⁻¹⁷⁾. Both of

these studies provide rationale for nurses to assess elderly persons from a variety of points of view.

The unique domain of the NANDA not mapped with similarity in the MMSA was the Growth/Development, because this domain is about the age-appropriate increase in physical dimensions and refers to the evaluation of the children. Likewise, Sexual identity and Reproduction classes, which make up Sexuality domain, were not identified with MMSA similarity, since this approach is not applicable to the elderly. However, there was similarity with Sexual function class in this same domain of the NANDA-I.

Although, the sexuality of older people is still looking with the stereotyped views of aging and social prejudices that consider older adults asexual or disinterested in sex, growing evidence confirms that sexual desires persist in old age, with older men and women enjoying it more than ever⁽¹⁸⁻¹⁹⁾. These studies demonstrate that sexuality remains an important and enduring component of life and should be addressed by nursing care in the elderly.

Thus, successful aging is a complex process best described using a multidimensional model as the MMSA. In turn, all domains of NIC and NOC also were mapped with similarity in the MMSA, which corroborates the alignment of these elements. There were five NIC classes and three NOC classes that did not map with the MMSA. The title and definition of these classes did not present similarity to the definitions of the MMSA domains, since they refer to care for other age groups, such as gestation and birth care and the creation of children, as well as interventions for the improvement of health services.

The aging process can be an excellent experience if there is quality adaptation to it. In this sense, positive aging needs to be a basis of nursing care, which requires accurate nursing diagnosis, planning and implementation of interventions and, consequently, evaluation of the outcomes. In these stages of the nursing process the NANDA-I, NIC and NOC classifications are very useful, as they present the description of the elements of the nursing care in different steps, including the specificities related to the elderly. Nurses provide the front line health care for older adults in a wide variety of settings, including health promotion and preventive care in the community and acute care in hospitals. They should be integrated within multidisciplinary teams necessary to understand and address the complex issues we face in elder care, and to provide person-centered care⁽²⁰⁾.

CONCLUSION

The degree of similarity found in the cross-mapping between health domains proposed by the MMSA and NANDA-I, NIC and NOC domains and classes is very high, which concludes that the use of the MMSA as a basis for the assessment, provision of care and the identification of outcomes for elderly patients may be very useful to nurses.

The NANDA-I, NIC and NOC provide the structure to describe the elements of nursing practice, like diagnoses, interventions and outcomes, while the MMSA provides structure to guide the evaluation of the elderly and how they can achieve a successful aging. The association of this model and SNL (NNN) can facilitate the understanding and interpretation of the needs and potentialities of the elderly and thus guide a nursing quality care to achieve positive outcomes. The results of this study might be utilized in developing nursing processes that consider personal characteristics, improve successful aging and enhance older adults' quality of life.

Conflict of interest: The authors declare that there is no conflict of interest regarding the publication of this article.

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