



CAMPUS GESUNDHEIT REUTTE

Community Nursing wirkt!

– das muss gezeigt werden!

Familien- und Gemeinde-
Outcomes und Interventionen

Dr. phil. Claudia Leoni-Scheiber,
MMSc



Visiting
Nurse
Service of
New York,
early 1900s

(Archives & Special Collections, Columbia University Health Sciences Library)

Pflege wirkt!

Gemeindeorientierte
Pflege wirkt!

Wirkung muss gezeigt
werden (können)!

**Ökonomisch,
ethisch,
professionell**



Aktueller
Wissensstand

TYPEN von OUTCOMES

- Primary Health Care
- Community Health Service

OUTCOMES – STANDARDIZED NURSING LANGUAGES (SNLs)

- Nursing Outcomes Classification (NOC) – Aufbau, Einsatz, Erkenntnisse

RESEARCH

Open Access

Effectiveness of registered nurses on patient outcomes in primary care: a systematic review



Julia Lukewich^{1*}, Ruth Martin-Misener², Allison A. Norful³, Marie-Eve Poitras⁴, Denise Bryant-Lukosius⁵, Shabnam Asghari⁶, Emily Gard Marshall⁷, Maria Mathews⁸, Michelle Swab⁹, Dana Ryan¹ and Joan Tranmer¹⁰

46 Outcomes aus 23 Studien (AU, UK, US; 2021)

Biomarker	Patient-Reported Experience Measures (PREMs)	Patient reported outcomes via PROMs
Diabetes, Hypertonie, kardiovaskuläres Risiko	Wahrgenommene Qualität der Versorgung	Gesundheitsbezogene Lebensqualität
HbA1c	Unterstützung beim Selbstmanagement	Symptome
Blutdruck	Zugang (erste Kontaktstelle zur Primärversorgung)	Selbstwirksamkeit
Cholesterin	Vollständigkeit/Umfang der Intervention	Funktionsstatus
Übergewicht	Vertrauen	

Patients with adequate control × nursing process use

Nursing process use Yes
 No
 Difference of proportion
 (95% CI)
 p value

		DM		HTN		HPC	
		N	HbA1C ≤7	N	SBP <140 and DBP <90	N	Total-chol ≤200 mg/d
Yes		1,715	66.7%	6,272	53.3%	2,429	39.4%
No		1,197	60.3%	5,102	50.6%	1,452	35.6%
Difference of proportion (95% CI)		6.4 (2.7-10)		2.7 (0.8-4.6)		3.8 (0.6-7.0)	
p value		<.01		<.01		<.05	

DM, diabetes mellitus; HTN, hypertension; HPC, hypercholesterolemia; HbA1C, glycated hemoglobin; SBP, systolic blood pressure; DBP, diastolic blood pressure; total-chol, total cholesterol; CI, confidence interval.

(Pérez Rivas et al., 2016)

Effectiveness of nursing process use (NNN) in primary care

Community of Madrid/Spain, 34 PHCs/EHRs, N = 379.601

SYSTEMATIC REVIEW

Community health services in European literature: A systematic review of their features, outcomes, and nursing contribution to care

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N = 23

sechs Arten
gemeindenaher
Pflegedienste,
heterogen –
Zielpopulation,
Land,
Interventionen,
Organisationen

- **Länder** ⇒ UK (n = 6), IT (n = 5), ES, IE, DE (jeweils n = 2), und andere europäische Länder (n = 6)
- **Publikationsjahre** ⇒ 2013-2023
- **Modelle** ⇒ Präventive multidisziplinäre (md) Hausbesuche, Remote Health Services, CHN (kein RCT), Primary Healthcare Services (md oder Allgemeinmediziner*innen), Langzeitpflege (n = 1, CH), Übergangspflege (n = 1, DK)
- **Outcomes** ⇒ Nurses Reported Outcomes (NROs) – MNC; Patients Reported Outcomes (PROs) - Zufriedenheit, Selbstpflege, -wirksamkeit, Empowerment, Therapieadhärenz, und Hard Indicators – ungeplante KH-Aufnahmen, Wiederaufnahmen, Zugang zur Notfallversorgung

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ORIGINAL ARTICLE

Health and
Social Care in the community

WILEY

Exploring nurse-sensitive patient outcomes in Dutch district nursing care: A survey study

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Misja C. Mikkers PhD, RA^{4,5} | Nienke Bleijenberg PhD, RN^{1,2}



**N = 132, self-reported (by nurses)
nurse-sensitive patient outcomes**

	Outcome is not measured, n (%)	Outcome is measured, n (%)	Description provided how outcome is measured, n (%) ^a	Missing, n (%)
Functional health				
Activities of daily living	66 (50)	62 (47.0)	46 (74.2)	4 (3)
Frailty	55 (41.7)	71 (53.8)	50 (70.4)	6 (4.5)
Mobility	65 (49.2)	61 (46.2)	44 (72.1)	6 (4.5)
Physiological health, including neurocognitive health				
Decision-making	86 (65.2)	35 (26.5)	27 (77.1)	11 (8.3)
Decubitus	35 (26.5)	91 (68.9)	66 (72.5)	6 (4.5)
Dehydration	73 (55.3)	51 (38.6)	35 (68.6)	8 (6.1)
Delirium	29 (22)	95 (72)	70 (73.7)	8 (6.1)
Fatigue	98 (74.2)	27 (20.5)	19 (70.4)	7 (5.3)
Pain	10 (7.6)	117 (88.6)	88 (75.2)	5 (3.8)
Unintentional weight loss	17 (12.9)	106 (80.3)	81 (76.4)	9 (6.8)
Psychosocial health				
Anxiety	76 (57.6)	48 (36.4)	33 (68.8)	8 (6.1)
Participation in social activities	71 (53.8)	50 (37.9)	34 (68.0)	11 (8.3)
Autonomy	78 (59.1)	43 (32.6)	33 (76.7)	11 (8.3)
Compliance	71 (53.8)	51 (38.6)	36 (70.6)	10 (7.6)
Falls	29 (22)	98 (74.2)	73 (74.5)	5 (3.8)

	Outcome is not measured, n (%)	Outcome is measured, n (%)	Description provided how outcome is measured, n (%) ^a	Missing, n (%)
Perceived health				
Quality of life	78 (59.1)	44 (33.3)	28 (63.6)	10 (7.6)
Satisfaction with delivered care	10 (7.6)	112 (84.8)	85 (75.9)	10 (7.6)
Meaningful life	80 (60.6)	39 (29.5)	28 (71.8)	13 (9.8)
Family health				
Informal caregiver burden	25 (18.9)	98 (74.2)	71 (72.4)	9 (6.8)
Death				
Preferred place of death	71 (53.8)	53 (40.2)	35 (66.0)	8 (6.1)
Quality of dying and death	74 (56.1)	49 (37.1)	32 (65.3)	9 (6.8)
Healthcare consumption				
Emergency department or service use	104 (78.8)	15 (11.4)	8 (53.3)	13 (9.8)
Unplanned hospital admission	102 (77.3)	18 (13.6)	10 (55.6)	12 (9.1)
Unplanned hospital readmission	102 (77.3)	18 (13.6)	11 (61.1)	12 (9.1)
Duration of district nursing care	56 (42.4)	66 (50)	48 (72.7)	10 (7.6)
Intensity of district nursing care	49 (37.1)	71 (53.8)	53 (74.6)	12 (9.1)



Standardized Nursing Languages (SNLs)

**Validierte
Konzepte**
(Schalek et al., 2017, in Müller-Staub et al., S. 36)

SNLS

Grundlage zur

Leistungserfassung,
Abrechnung, Benchmarking

Auch für Lehre und Forschung



European
Commission

EUROPEAN HEALTH DATA SPACE

#EUDigitalHealth

Definition

Pflege

Pflege-sensitive Patientenergebnisse

- Ein Zustand, ein Verhalten oder eine Wahrnehmung eines Individuums, einer pflegenden Person, einer Familie oder einer Gemeinschaft, die entlang

entlang
ktion auf
ention(en)

Ergebnis ist eine Gruppe von Indikatoren zugeordnet, die dazu dienen, den aktuellen Stand in Bezug auf das Ergebnis zu bestimmen.

(Moorhead & Swanson, 2023)

Pflegeergebnisklassifikation

Umfassend, standardisiert,
zur Evaluation der Wirkungen
von Pflege-Interventionen
und anderer
Gesundheitsdienstleistender



Entwicklung der NOC

Edition	Jahr	Anzahl	Bereiche	Klassen
First	1997	190	-	-
Second	2000	260	7	29
Third	2004	330	7	31
Fourth	2008	385	7	31
Fifth	2013	490	7	32
Sixth	2018	540	7	34
Seventh	2024	612	7	36

(Moorhead & Swanson, 2023)

Bereich VII Community Health



- Ergebnisse, die den Gesundheitszustand, das Verhalten oder die Wahrnehmung der Gemeinschaft beschreiben

(interaktive Population mit Beziehungen, die entstehen, wenn die Mitglieder bestimmte Einrichtungen und Institutionen entwickeln und gemeinsam nutzen)
- 2 Klassen ⇨
Community Health Protection und
Community Well-Being

Ergebnisbezeichnung

Community Grief Recovery

2706

Code

Definition: Community actions to help members cope and return to a new normal after a significant loss of life or property

OUTCOME TARGET RATING: Maintain at _____ Increase to _____

Definition

Messskala

		Poor	Fair	Good	Very Good	Excellent	
OUTCOME OVERALL RATING		1	2	3	4	5	
Indicators:							
270601	Support provided by community leaders to help members grieve	1	2	3	4	5	NA
270602	Gradual transition from response to grief recovery efforts	1	2	3	4	5	NA
270603	Shift from short-term goals to long-term grief recovery	1	2	3	4	5	NA
270604	Assistance from government agencies	1	2	3	4	5	NA
270605	Establishment of priorities for available recovery resources	1	2	3	4	5	NA
270606	Opportunities for community recovery activities	1	2	3	4	5	NA
270607	Members' participation in recovery activities	1	2	3	4	5	NA
270608	Identification of long-term challenges faced by community	1	2	3	4	5	NA
270609	Activation of available vertical and horizontal communication networks	1	2	3	4	5	NA
270610	Availability of grief counselors	1	2	3	4	5	NA
270611	Plan to strengthen community resilience	1	2	3	4	5	NA
270612	Availability of faith leaders to provide spiritual comfort	1	2	3	4	5	NA
270613	Availability of bereavement support groups	1	2	3	4	5	NA
270614	Creation of new jobs	1	2	3	4	5	NA
270615	Plan for rebuilding infrastructure	1	2	3	4	5	NA
270616	Revitalization of neighborhoods	1	2	3	4	5	NA
270617	Plan for community recognition of the event such as a grief ritual	1	2	3	4	5	NA
270618	Plan for remembrances for those who lost their lives	1	2	3	4	5	NA
270619	Plan for reunion of survivors	1	2	3	4	5	NA

Indikatoren

Bereich und Klasse

Domain-Community Health (VII) Class-Community Well-Being (BB) 7th edition 2024

Ergebnisbezeichnung

Community Disaster Response

2806

Definition: Community response following a natural or man-made calamitous event

Definition

Code

OUTCOME TARGET RATING: Maintain at _____ Increase to _____

		Poor	Fair	Good	Very Good	Excellent	
OUTCOME OVERALL RATING		1	2	3	4	5	
Indicators:							
280609	Command authority identified	1	2	3	4	5	NA
280613	Operation of communication system	1	2	3	4	5	NA
280608	Mobilization of personnel	1	2	3	4	5	NA
280617	Information provided to public	1	2	3	4	5	NA
280611	Triage of injured individuals	1	2	3	4	5	NA
280612	Evacuation of injured individuals	1	2	3	4	5	NA
280610	Evacuation of population	1	2	3	4	5	NA
280601	Availability of safe water	1	2	3	4	5	NA
280602	Availability of safe food	1	2	3	4	5	NA
280603	Availability of medication	1	2	3	4	5	NA
280604	Availability of supplies	1	2	3	4	5	NA
280605	Availability of shelters	1	2	3	4	5	NA
280606	Availability of hospital resources	1	2	3	4	5	NA
280607	Availability of personnel	1	2	3	4	5	NA
280637	Availability of sanitation activities	1	2	3	4	5	NA
280623	Availability of functional equipment	1	2	3	4	5	NA
280614	Government agencies notified of needs	1	2	3	4	5	NA
280615	Support agencies notified of needs	1	2	3	4	5	NA
280618	Response of government agencies in carrying out responsibilities	1	2	3	4	5	NA
280619	Response of support agencies in carrying out responsibilities	1	2	3	4	5	NA

Messskala

Indikatoren

Weitere Indikatoren



- Plan zur Massenimmunisierung/ „Großschutzimpfung“
- Bereitstellung von Unterkünften für Nutztiere/Haustiere
- Ersatz von verschriebenen Medikamenten für Einzelpersonen
- Nachbereitung der Katastrophe
- Evaluation der Katastrophe/des Vorgehens
- Und viele mehr ...



Article

Nursing Diagnoses, Planned Outcomes and Associated Interventions with Highly Complex Chronic Patients in Primary Care Settings: An Observational Study

Pedro-Ruymán Brito-Brito ^{1,2,3} , Martín Rodríguez-Álvaro ^{1,2,4} , Domingo-Ángel Fernández-Gutiérrez ^{1,2,3,*} , Carlos-Enrique Martínez-Alberto ^{2,5}, Antonio Cabeza-Mora ⁶ and Alfonso-Miguel García-Hernández ^{1,2} 



N = 51.374, EHRs in Tenerife Healthcare Area

NOC Outcome (Code)	Frequency		NIC Intervention (Code)	Frequency	
	%	<i>n</i>		%	<i>n</i>
Immunisation behaviour (1900)	37.3	19,161	Vital signs monitoring (6680)	44.7	22,981
Compliance behaviour (1601)	32.5	16,676	Health education (5510)	44.4	22,834
Risk control (1902)	30.1	15,474	Immunisation/vaccination management (6530)	39.5	20,308
Wound healing: secondary intention (1103)	19.3	9915	Medication administration: intramuscular (IM) (2313)	38.0	19,510
Pain level (2102)	19.2	9888	Risk identification (6610)	25.2	12,934
Adherence behaviour (1600)	15.9	8187	Wound care (3660)	21.4	10,997
Wound healing: primary intention (1102)	15.2	7816	Patient contracting (4420)	20.4	10,462
Pain control (1605)	14.6	7513	Exercise promotion (0200)	20.2	10,395
Urinary elimination (0503)	12.8	6563	Teaching: prescribed diet (5614)	20.1	10,327
Personal well-being (2002)	12.4	6361	Nutritional counselling (5246)	19.2	9861
Self-management: diabetes (1619)	11.1	5715	Health screening (6520)	16.4	8402
Fall prevention behaviour (1909)	10.3	5291	Teaching: prescribed exercise (5612)	13.9	7137
Tissue integrity: skin and mucous membranes (1101)	9.5	4903	Infection control (6540)	12.9	6621
Weight control (1612)	8.8	4532	Fall prevention (6490)	12.5	6409
Self-care: ADL * (0300)	8.6	4438	Referral (8100)	12.3	6327

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INTERNATIONAL JOURNAL OF
NURSING KNOWLEDGE

The Official Journal of NANDA International, Inc.



ORIGINAL ARTICLE

Electronic nursing care plans through the use of NANDA, NOC, and NIC taxonomies in community setting: A descriptive study in northern Italy

Marianna Aleandri RN¹ 

Sandra Scalorbi RN¹

Maria Cristina Pirazzini RN²

N = 213; EHRs – Freitext; Mapping ⇒ NNN-Taxonomie; Cross-checking durch drei Forschende; fehlende Ziele (20 %), fehlende Interventionen (12 %)

Nursing Outcomes	Objectives	% Frequency	Nursing Interventions	Actions	% f
Vital signs 0802	Maintain vital signs in the ranges agreed with GP	22.5	Vital signs monitoring 6680	Vital signs measurement	2
Self-management: acute illness 3100 Self-management: chronic disease 3102	Self-monitoring	1	Teaching: disease process 5602	Health education	2
Tissue integrity: skin and mucous membrane 1101	Healing	8	Wound care 3660	Making dressings	27
Compliance behavior 1601	Adhere to therapy	1	Teaching: procedure/treatment 5618	Health education (therapeutic education)	2

Nursing Outcomes	Objectives	% Frequency	Nursing Interventions	Actions	% fr
Pain control 1605	Low back pain healing	1	Medication administration: intramuscular 2313	Intramuscular injection	19
Compliance behavior: prescribed activity 1632	Increase physical activity	3.5	Health education 5510	Health education (lifestyle talks)	12
Weight loss behavior 1627	Lose weight	11			
Blood glucose level 2300	Maintain blood glucose values in the ranges agreed with the GP	16	Capillary blood sample 4035	Glycemic control through capillary blood sampling	1
Smoking: cessation behavior 1625	Stop smoking	1	Health education 5510	Health education (lifestyle talks)	2
Acceptance behaviour: prescribed diet 1622	Improve nutrition	2	Nutrition management 5246	Food education	3

NANDA-I, NOC, and NIC Linkages to SARS-Cov-2 (Covid-19): Part 1. Community Response

Sue Moorhead, PhD, RN, FAAN , Tamara Gonçalves Rezende Macieira, PhD, RN , Karen Dunn Lopez, PhD, MPN, RN , Vanessa Monteiro Mantovani, MSc, RN , Elizabeth Swanson, PhD, RN , Cheryl Wagner, PhD, MBA/MSN, RN , and Noriko Abe, MSN 

Basierend auf klinischem Urteilsvermögen erstellten sieben Pflegeexpert*innen
im Konsensverfahren NNN-Verknüpfungen für Gemeinschaften
während der COVID-19-Pandemie

NNN- Linkages

*Community Response to
SARS-Cov-2*

(Moorhead et al., 2021)

NANDA-I diagnosis: Ineffective Community Coping (00077)

Definition: A pattern of community activities for adaption and problem-solving that is unsatisfactory for meeting the demands or needs of the community

Outcome to measure resolution of the nursing diagnosis

Community Resiliency (2704)

Outcomes to measure defining characteristics

Community Competence (2700)

Community Health Status (2701)

Community Immune Status (2800)

Community Program Effectiveness (2808)

Community Risk Control: Communicable Disease (2802)

Outcomes associated with related factors

Community Health Screening Effectiveness (2807)

Community Grief Response (2703)

Outcomes associated with at-risk population and associated condition

Community Risk Control: Chronic Disease (2801)

MAIEC

Pedro Melo, PhD

Community
Assessment,
Intervention
and
Empowerment
Model



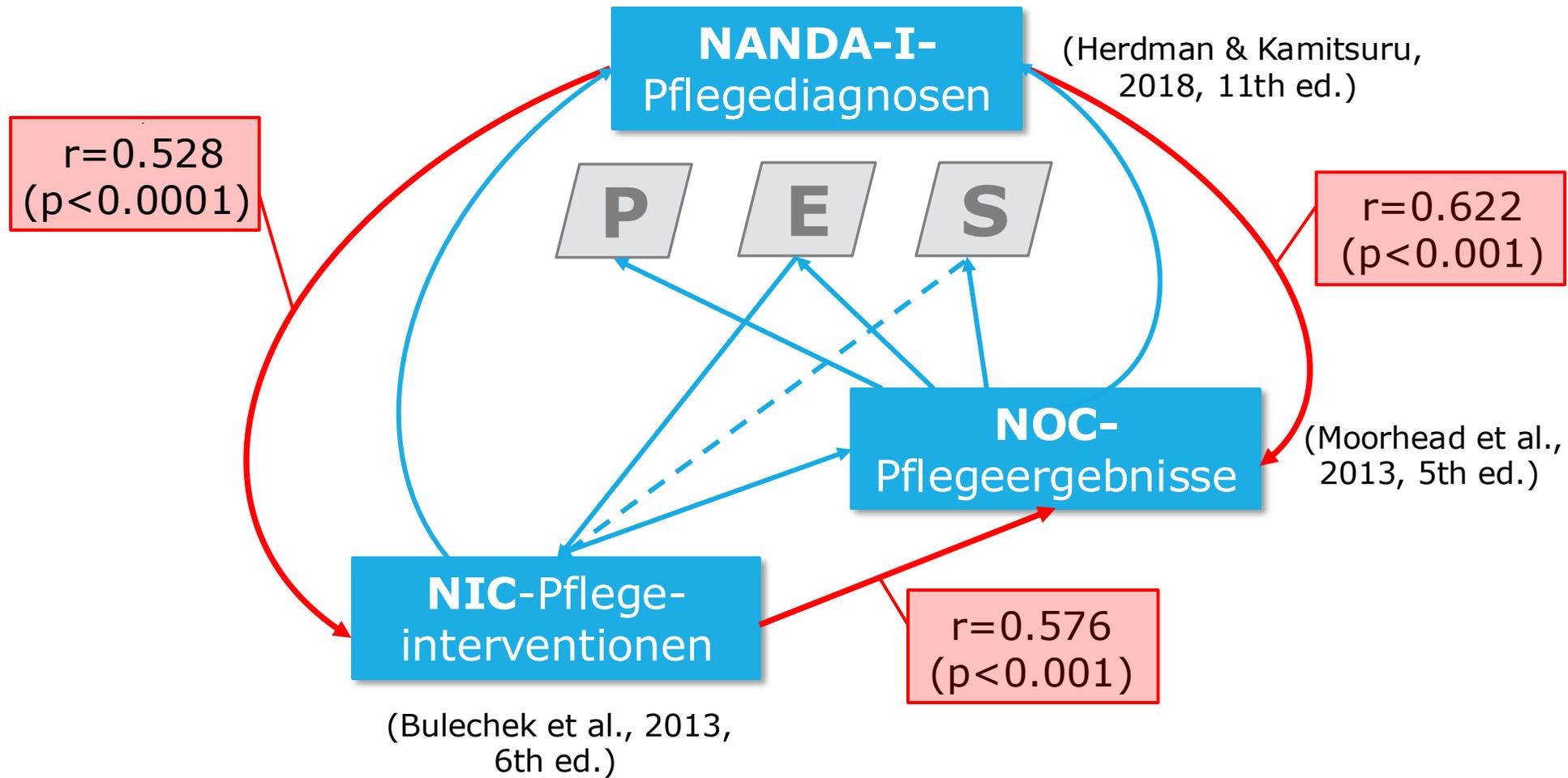
NURS ID



U. PORTO
UNIVERSIDADE
DO PORTO

Diagnose	Clinical goals	Interventions
<p>Committed community process:</p> <p>Committed Community Management</p>	<p>Promote Community Leadership</p>	<p>Teach/ Inform</p> <p>Assist community in originating beliefs</p> <p>Instruct</p> <p>Advocate</p> <p>Encourage</p>
	<p>Promote community participation</p>	<p>Support the optimization of communication in the Community</p> <p>Support the community in building partnerships</p> <p>Support the community in creating organizational structures</p>
	<p>Optimizing Community Coping</p>	<p>Support the identification of strengths in the community</p> <p>Advocate adaptation strategies to the leader and community members</p>

Innere Kohärenz im Advanced Nursing Process



(Leoni-Scheiber et al., 2020)

Pflege wirkt!

Gemeindeorientierte
Pflege wirkt!

Wirkung muss gezeigt
werden (können)!

**Ökonomisch,
ethisch,
professionell**



Gerne stehe ich für Ihre
Fragen zur Verfügung!

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