Research-Protocol: Integrative Review

The Protocol is orientated at RefHunter (Nordhausen und Hirt 2023) (RefHunter Version 4.0: 30. Juni 2022; https://refhunter.org/research_support/rechercheprotokoll/

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General information on the development of the search strategy

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Date or Period of Development: December 2022 – March 2023

Research question(s)

The literature review is one method of a Multi-Methods-Study.

The aim of the study is to optimize the interprofessional diagnostic process in the outpatient therapy- and aid management for outside-gait-related participation of people after stroke in Germany by considering the social area and regional context conditions. A complex intervention will be developed. The Integrative Review is the first step to develop a complex intervention.

AIM INTEGATIVE REVIEW

The aim of the Integrative Review is to synthesize the state of scientific research on the topic

people after stroke (PaS).

The research questions are:

- 1. How is the concept interprofessional diagnostic process for outside-gait-related participation of people after stroke described in the literature?
- 2. Which indicators for the construct outside-gait-related participation can be identified?
- 3. Which assessments for measurement of the construct outside-gait-related participation are used?
- 4. Which elements of the concept of an interprofessional diagnostic process are described?

Inclusion-Exclusion Criteria

Table 1 Inclusion-Exclusion Criteria

Inclusion-criteria	
Population	Stroke patients with limitations in the ability to walk outside the home and limitations in gait-related participation
Age	Adults
Construct	 Indicators for the construct outside-gait-related-participation Assessments for measurement of the construct outside-gait-related participation
Concept	Interprofessional diagnostic process in therapy- and aid-management for gait-related participation of people after stroke
	Elements of the concept of an interprofessional diagnostic process are described?
Designs	Studies with qualitative, quantitative, multi or mixed methods, grey literature (conference abstracts, presentations, proceedings; regulatory data; government publications; reports (such as white papers, working papers, internal documentation); dissertations/theses; patents and policies).
Publication Period	Until April 2024
Language	English and German language
Exclusion-criteria	
Population	Acute or subacute patients
Age	Under 18 years
Construct	The "Outside-gait-related-participation" concept did not include indicators for the ability to go outside the home, but referred to other mobility activities, such as movements while sitting, lying down or the ability to walk inside the house.
Concept	No relevance for the interprofessional diagnostic process for therapy- and aid-management for gait-related participation of people after stroke
Publication Period	After April 2024

Rationale for (individual) inclusion and exclusion criteria:

The concept characterising criteria "outpatient" wasn't defined as in- or exclusion criteria regarding to fewer records. Due to much reduction it was not integrated in the final search string with AND, but with OR. The iterative approach is reported, see 9 Development Search String

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l Determination Research-Princip	le
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The research principle is a sensitive form.
Rationale:
Sensitive research principle
Aim: Comprehensive research or, if possible, identify all relevant records
Specific research principle
Find the most important hits as quickly as possible.
Mixed Form
Find as many relevant hits as possible with an optimized effort ratio.
In a sensitive search, fewer components of the research question are defined as search components. The

2 Definition Search Components

The scientific questions for the literature search relate to the population of people who have had a stroke and who have been released from inpatient rehabilitation.

The main question is: How is the concept of interprofessional diagnostics in the outpatient treatment and provision of aids for the gait-related participation of PaS described in the literature?

The side-questions are:

- 1. Which indicators for the construct of external gang-related participation can be identified?
- 2. What assessments are used to measure the construct of gait-related participation?
- 3. Which elements of the concept of an interprofessional diagnostic process are described?

The process of identifying search terms of the construct of outside-gait-related-participation is based on previously published studies (Nanninga et al. 2017; Outermans et al. 2016; Rooij et al. 2021) and a scoping review (Pott 2022).

The search terms were chosen on the basis of these publications. The final search strings use the components "people after stroke", "outside-gait-related-participation", "diagnostic process", "interprofessional collaboration" and "community rehabilitation service". The construct "Outside-gait-related-participation" includes three different concepts: the activity walking, walking outside, where the individuum has to act under the influence of specific environmental factors and personal factors and participation as the involvement in a life situation in individual social roles.

Table 2 Searching Components

Searching Components	Name
1	People after stroke
2	Outside-gait-related-participation
	a) Walking (Activity)b) Walking Outside (environmental factors and personal factors)c) Participation
3	Interprofessional Collaboration
4	Diagnostic Process
5	Rehabilitation (Outpatient) Setting

3 Determination Databases

Databases, search machine and rationale for selection.

The databases are: Cochrane Library, MEDLINE via PUBMED, CINAHL, PSYNDEX via LIVIVO and PEDro databases. It is completed by manual search. The rationales for choice of the databases are described in Table 3.

Table 3 Databases and Ressources

Name Database	Cochrane Library			
Rationale	ull database; Systematic Reviews and Meta-Analysis			
Name Database	MEDLINE via PUBMED			
Rationale	Database specific search engine (PUBMED); MEDLINE: Journals, also			
Rationale	tutorials,			
	comments, comprehensive collection			
Name Database	CINAHL			
Rationale	Full database; Journals, broad scope health literature (specially Nurse Science)			
Name Database	PSYNDEX via LIVIVO			
Rationale	Database specific search engine: Journals, also tutorials, comments, comprehensive			
Rationale	collection			
Name Database	PEDro			
Rationale	Full database; Physiotherapy Therapy			
Name Resource	Research Rabbit			
Rationale	Backward Search			
Name Resource	Handsearch Journals (see below -10; e.g. physioscience)			
Rationale	Additional search			

4 Identification keywords

Synonymous search terms were identified via MEDLINE, thesaurus, relevant articles and Team-Discussion (SB und CP). Synonymous search terms were also identified by checking the keywords in relevant records, which were identified in a previous search.

Relevant records

Synonymous search terms were also identified by checking the keywords in relevant records, which were identified by an iterative search:

- A Process of Multidisciplinary Team Communication to Individualize Stroke Rehabilitation of an 84- Year-Old Stroke Patient, (Hiragami et al. 2016)
- Canadian Stroke Guidelines, (Cameron et al. 2016)
- Co-production of a transdisciplinary assessment by researchers, (Martin et al. 2022)
- Development and usability testing of Understanding Stroke, a tailored life-sustaining treatment decision support tool for stroke surrogate decision makers, (Chen et al. 2020)
- Development of a poststroke checklist to standardize follow-up care for stroke survivors, (Philp et al. 2012)
- Every person is an individual: physical therapist clinical reasoning used in inpatient rehabilitation for walking assistive device prescription in patients with stroke and brain injury, (O'Brien et al. 2021)
- Optimizing Integrated Stroke Care in Regional Networks: A Nationwide Self-Assessment Study in 2012, 2015 and 2019 (Voogdt-Pruis et al. 2021)

Table 4 Example keywords identification (Team-discussion)

Searching Components	Word	Synonym
People after stroke	Stroke	Apoplex
		Infarct
		Embolism
		Hemiplegia
		Hemiparesis
Outside-gait-related-	Gait	Locomotion
participation		Community Ambulation
		Walking
		Environmental Factors
		Personal Factors
		Loads
		Curbs
		Crowd
		Inclines
		Declines
		Physical Activity
	Participation	Participation
		Activity
		Inclusion
Interprofessional collaboration	Interprofessional	Interdisciplinary
Conadoration		Team
		Interdisciplinary Team
		Interdisciplinary Collaboration
		Interdisciplinary Communication
		Interdisciplinary Care
	Caregivers	Relatives
		Family
	Nurses	Nursing personnel
	TVUISCS	Registered Nurses
		Nurse Practitioner
		Practical Nurse
	Therapists	Physical Therapists
		Physiotherapist
		Occupational Therapist
	Orthopedic Technicians	Engineer
	Physicians	Doctor

		Medical Doctor
		MD
		Medical Practitioner
		Medic
		Doc
		Social Worker
	Health professional	Health Personnel
		Health care providers
		Health care workers
		Health care professionals
Diagnostic	Diagnostic	Examine
		Anamnesis
		Pathway
	Clinical Reasoning	Clinical Reasoning
		Clinical judgment
		Judgement, clinical
	Measurement Walking Outside	Assessment
		Test
		Measurement
Outpatient Setting	Outpatient	Non-stationary
		Phase E
		Ambulant

Reason for (indivi	dual) selected or	r not selected k	ey words
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 \boxtimes No justification necessary.

5 Identification Subject Headings

Subject Headings were identified in the Cochrane Library and MEDLINE, CINAHL, PSYNDEX via LIVIVO und PEDro.

5.1 MEDLINE AND COCHRANE Library

Table 5 Subject Headings Cochrane Library and MEDLINE

Components	Subject Headings										
	MeSH-Term 1	MeSH-Term 2	MeSH-Term 3	MeSH-Term 4	MeSH-Term 5	MeSH-Term 6	MeSH-Term 7	MeSH-Term 8	MeSH- Term 9	MeSH-Term 10	MeSH- Term 11
Component											
People after stroke	"cerebrovascular disorder"	hemiplegia	paresis								
Component											
Outside-gait- related- participation	Walking	Locomotion	Gait	"Stair Climbing"	Gait disorders"	"Mobility Limitation"	"Dependent Ambulation"				
Component											
"Interprofessional collaboration"	"Interprofessional Relations"	"Interprofessional Relations"	"Interdisciplinary Communication"								
Component											
Diagnostic	"Point-of-Care Testing"	Diagnosis	Diagnostics	"Diagnostic Techniques and Procedures"	"Medical History"	"Medical Record"	"Patient Care Management"	"Comprehensive Health Care"	"Patient Care Planning"	"Critical Pathways"	Decision Tree

Rationale MeSH-Terms MEDLINE (Examples)

Example A

All MeSH Categories

Phenomena and Processes Category

<u>Musculoskeletal and Neural Physiological Phenomena</u> <u>Musculoskeletal Physiological Phenomena</u>

Movement

Locomotion

Flight, Animal

Running Jogging

Marathon Running

Swimming

Taxis Response

Chemotaxis

Escape Reaction

Phototaxis

Walking

Dependent Ambulation

Gait +

Nordic Walking

Stair Climbing

Example B

Stroke

A group of pathological conditions characterized by sudden, non-convulsive loss of neurological function due to BRAIN ISCHEMIA or INTRACRANIAL HEMORRHAGES. Stroke is classified by the type of tissue NECROSIS, such as the anatomic location, vasculature involved, etiology, age of the affected individual, and hemorrhagic vs. non-hemorrhagic nature. (From Adams et al., Principles of Neurology, 6th ed, pp777-810)
Year introduced: 2008 (2000)

Rationale for selected/not selected keywords:

- Keywords as broad as necessary, as close as possible. Partly therefore not overarching terms of the tree selected, but individual sub-terms.
- ☐ No justification necessary.

5.2 CINAHL

Table 6 Subject Headings CINAHL

Components	Subject Headings
Component	
People after stroke	"ischemic stroke" OR "stroke patients" OR "hemorrhagic stroke" OR stroke OR hemiplegia
Component	
Outside-gait-related- participation	"gait disorders" OR walking AND "social participation" OR "social Involvement"
Component	
Interprofessional collaboration	"interprofessional relation" OR "interprofessional relations" OR interdisciplinary OR "multidisciplinary care team" OR "Care" OR "Nurse" OR "Nursing"
Component	
Diagnostic	"assessment tool" OR "clinical assessment tool" OR diagnosis OR "instrument construction"

5.3 PSYNDEX VIA LIVIVO

Table 7 Schlagworte Deutsch (Subject Headings) PSYINDEX via Livivo

Suchkomponente 1	Schlagworte			
Menschen nach Schlaganfall	"Schlaganfall", "Ischämie", "Hirnblutung", "Hemiplegie, "Hemiparese"			
Suchkomponente 2				
Außerhäusliches Gehen	"Gehen", "außerhäusliches Gehen", "gang-bezogene Teilhabe", "Gehen außerhalb des Hauses", Mobilität			
Suchkomponente 3				
Interprofessionelle Zusammenarbeit	Interprofessionelle Zusammenarbeit, Interprofessionell, Interdisziplinär Interdisziplinäres Team Interdisziplinäre Zusammenarbeit Interdisziplinäre Kommunikation Interdisziplinäre Betreuung			
Suchkomponente 4				
Diagnostischer Prozess	Diagnostischer Prozess Diagnoseuntersuchung Anamnese Weg Klinisches Denken Klinisches Denken Klinisches Urteil Urteil, klinisch Messung Walking Outside Assessment Prüfen Messung			

5.4 PEDro

Table 8 Subject Headings PEDro

Components	Subject Headings
Component	
People after stroke	"ischemic stroke" OR "stroke patients" OR "hemorrhagic stroke" OR stroke OR hemiplegia
Component	
Outside-gait-related- participation	"gait disorders" OR walking OR "social participation"
Component	
Interprofessional collaboration	"interprofessional relation" OR "interprofessional relations" OR interdisciplinary OR "multidisciplinary care team"
Component	
Diagnostic	"assessment tool" OR "clinical assessment tool" OR diagnosis OR "instrument construction"

The development of the search string follows a building block approach (Cooper et al. 2018).

The further definitions of the Search Components, the final search terms and the development of the search string follows the Mnemonics-Strategies emphasized on RefHunter, which is suitable for an Integrative Review (https://refhunter.org/research_support/rechercheschritte/). The ECLIPSE-Mnemonic (E=Expectation, C=Client Group, L=Location, I=Impact, P=Professionals, SE=Service) (Wildridge und Bell 2002) is chosen, which is suitable for research questions in the field of health-policy and management.

Table 9 The ECLIPSE-Mnemonic

E: Expectation: Improved diagnostic process for therapy and aids-supply management

Assessment*: Question: Do patients, relatives and health professionals evaluates the complex intervention "diagnostic process for therapy and aids-supply management" as beneficial?

C: Client group: People after stroke with limitations in gait-related participation

L: Location: Community

I: Impact: Improved diagnostic process for therapy and aids-supply management**

P: Professionals: Health Professionals

SE: Service: Outpatient setting/Community rehabilitation service***

https://refhunter.org/research_support/rechercheschritte/). The ECLIPSE-Mnemonic (E=Expectation, C=Client Group, L=Location, I=Impact, P=Professionals, SE=Service) (Wildridge und Bell 2002) is chosen, which is suitable for research questions in the field of health-policy and management.

Expectation means: what does the search requester want the information for

Impact means: what is the change in the service, if any, which is being looked for? What would constitute success? How is this being measured?

Service means: for which service are you looking for information? For example, outpatient services.

- *The Assessment/Question: Do patients, relatives and health professionals evaluates the complex intervention "diagnostic process for therapy and aids-supply management" as beneficial? Is not part of the search strategy, but will be used for the development of the complex evaluation strategy.
- **The specific search terms "therapy and aids-supply management" are turned off in the development of the final search string, as a restriction which leads to less records for the very specific research questions. The relevance of the results of the Integrative Review will be discussed under the topic of therapy and aids-supply management for people with limitations in outside-gait-related participation.
- ***The term/location "Outpatient setting" was added with the operator OR in the final search string because the conjunction with AND leads to less records for the very specific research questions.

Table 10 Building Block Approach, example PUBMED

Client (Population)	Client (Problem)	Impact	Professionals	Service
MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields
Stroke	Outside-gait-related participation	Diagnostic	Interprofessional Collaboration	Community rehabilitation service
Stroke[Title/Abstract] R poststroke[Title/Abstract] OR "post- stroke"[Title/Abstract] OR apoplex*[Title/Abstract] OR "acquired brain injury"[Title/Abstract] OR pares*[Title/Abstract] OR hemipares*[Title/Abstract] OR hemipleg*[Title/Abstract] OR disorder"[Title/Abstract]	Walking[Title/Abstract] R Locomotion[Title/Abstract] OR Gait[Title/Abstract] OR "Mobility Limitation"[Title/Abstract] OR R "Dependent Ambulation"[Title/Abstract] OR locomot*[Title/Abstract] OR and locomot*[Title/Abstract] OR ambulation[Title/Abstract] OR ambulation[Title/Abstract] OR ambulation[Title/Abstract] OR (mobil* activity[Title/Abstract] OR activities[Title/Abstract]) OR "community walking"[Title/Abstract]	"Point-of-Care Testing" [All Fields] OR "Medical History" [All Fields] OR "Medical Record" [All Fields] OR "Patient Care Management" [All Fields] OR "Comprehensive Health Care" [All Fields] OR "Patient Care Planning" [All Fields] OR "Critical Pathways" [All Fields] OR "Decision Tree" [All Fields] OR "Decision Tree" [All Fields] OR "anamnesis" [All Fields] OR "case history" [All Fields] OR "self-Assessment" [All Fields] OR "evaluate" [All Fields] OR "evaluate" [All Fields] OR "evaluate" [All Fields] OR "evaluates" [All Fields] OR "evaluates" [All Fields] OR "evaluates" [All Fields] OR "evaluating" [All Fields] OR "evaluating" [All Fields] OR "evaluation" [All Fields] [All Fields] OR "evaluation" [All Fie	"interprof*"[All Fields] OR "interdisc*"[All Fields] OR "multidisc*"[All Fields] OR "multiprof*"[All Fields] OR "multiprof*"[All Fields] OR "transdisciplinary*"[All Fields] OR "transprof*"[All Fields] OR "team*"[All Fields] OR "team-work"[All Fields] OR "inter collaboration"[All Fields] OR "inter relations"[All Fields] OR "inter communication"[All Fields] OR "inter coordination"[All Fields] OR "integrated care"[All Fields] OR "inter teamwork"[All Fields] OR	("rehabilitant"[All Fields] OR "rehabilitants"[All Fields] O R
		s"[All Fields] OR	"Interdisciplinary Care"[All Fields]	"rehabilitations"[All Fields]

"evaluations"[All Fields] OR "evaluative"[All Fields] OR	R "rehabilitative"[All Fields] O R "rehabilitation"[MeSH
	Subheading] O R "rehabilitation s"[All Fields]
	O R "rehabilitational"[All Fields]
	O R "rehabilitator"[All Fields] OR "rehabilitators"[All Fields] OR "Therapy-

"evaluatively"[All Fields]	management"[All
OR "evaluatives"[All	Fields])
Fields] OR "evaluator"[All	AN
Fields] OR "evaluator	D
s"[All Fields] OR	(rehabilitation
"evaluators"[All Fields] OR	OR
"team feedback"[All Fields]	outpatient OR non-
OR "referral and	stationary OR Therapy-
consultation"[All Fields]	management)
OR "patient narratives"[All	AN
Fields]	D
	("outpatient
	s"[Al
	l Fields]
	OR
	"outpatients"[MeSH
	Terms]
	O
	R
	"outpatients"[All Fields]
	OR "outpatient"[All
	Fields] OR "non-
	stationary"[All Fields])

	OR
	OR
"participants"[All Fields]	OR
"participate"[All Fields]	OR
"participated"[All Fields]	OR
"participates"[All Fields]	OR
	OR
"participation"[All Fields]	OR
"participations"[All Fields]	OR
	OR
"participator"[All Fields]	OR
"participators"[All Fields]	OR
"Community participation"	
Fields] OR "community"	[All
Fields] OR "reintegrate"	[All
Fields] OR "reintegrated"	
Fields] OR "reintegrating"	[All
Fields] OR "reintegration"	
Fields] OR "reintegrations"	
Fields] OR "reintegrative"	
Fields] OR "re-	
integration"[All Fields] OR "s	ocial

"Environmental Factors"[All Fields] OR "Personal Factors"[All Fields] OR "Loads"[All Fields] OR "Curbs"[All Fields] OR "Crowd"[All Fields] OR "Inclines"[All Fields] OR "Declines"[All Fields] OR "Declines"[All Fields] OR "Physical Activity"[All Fields] OR "Stair Climbing" OR stair* OR "descending stairs" OR "obstacle negotiation" OR obstacle OR Load OR traffic OR "avoiding collision"	activities"[All Fields] OR "social role"[All Fields] OR "living environment"[All Fields] OR "outside world"[All Fields] OR "real life"[All Fields]		
OR maneuvering OR uphill OR downhill OR "up ramp" OR "down ramp" OR street OR shopping OR terrain OR "uneven surface" OR "ambient demands" OR "weather conditions" OR noise OR "Personal Factors" OR attitude OR "social influence" and "self-Efficacy" OR "behavioral beliefs" OR "normative beliefs" OR "social influence" OR shame* OR "motor dual-task*" OR "dual-task*" OR "dual-task*" OR "dual-task*" OR "cognitive task"	Factors"[All Fields] OR "Personal Factors"[All Fields] OR "Loads"[All Fields] OR "Curbs"[All Fields] OR "Crowd"[All Fields] OR "Inclines"[All Fields] OR "Declines"[All Fields] OR "Physical Activity"[All Fields] OR "Stair Climbing" OR stair* OR "descending stairs" OR "obstacle negotiation" OR obstacle OR Load OR traffic OR "avoiding collision" OR maneuvering OR uphill OR downhill OR "up ramp" OR "down ramp" OR street OR shopping OR terrain OR "uneven surface" OR "ambient demands" OR "weather conditions" OR noise OR "Personal Factors" OR attitude OR "social influence" and "self-Efficacy" OR "behavioral beliefs" OR "normative beliefs" OR "social influence" OR shame* OR "motor dual-task*" OR		

6 Development Search String

6.1 Development Search String PUBMED

Table 11 Search History (12.03.2023)

Search	Actions	Details	Query	Results	Time
#13			Search: #11 AND #12	40	08:29:12
#12			Search: ("rehabilitant" [All Fields] OR "rehabilitants" [All Fields] OR "rehabilitate" [All Fields] OR "rehabilitated" [All Fields] OR "rehabilitates" [All Fields] OR "rehabilitation" [Mesh Terms] OR "rehabilitation" [All Fields] OR "rehabilitations" [All Fields] OR "rehabilitative" [All Fields] OR "rehabilitation" [Mesh Subheading] OR "rehabilitation s" [All Fields] OR "rehabilitational" [All Fields] OR "rehabilitators" [All Fields] OR "rehabilitators" [All Fields] OR "rehabilitators" [All Fields] OR "rehabilitation OR outpatient OR non-stationary OR Therapy-management) AND ("outpatient s" [All Fields] OR "outpatients" [Mesh Terms] OR "outpatients" [All Fields] OR "outpatient" [All Fields] OR "outpatie	23,025	08:28:51
#11			Search: #10 AND #8 AND #9	<u>369</u>	08:27:33
#10			Search: #1 AND #7	8,174	08:26:10
#9			Search: "interprof*" [All Fields] OR "interdisc*" [All Fields] OR "multidisc*" [All Fields] OR "multiprof*" [All Fields] OR "transdisciplinary*" [All Fields] OR "transprof*" [All Fields] OR "team*" [All Fields] OR "team-work" [All Fields] OR "inter collaboration" [All Fields] OR "inter relations" [All Fields] OR "inter communication" [All Fields] OR "care coordination" [All Fields] OR "integrated care" [All Fields] OR "inter teamwork" [All Fields] OR "Interdisciplinary Care" [All Fields]	639,413	08:22:37

#8			Search: "Point-of-Care Testing" [All Fields] OR "Medical History" [All Fields] OR "Medical Record" [All Fields] OR "Patient Care Management" [All Fields] OR "Comprehensive Health Care" [All Fields] OR "Patient Care Planning" [All Fields] OR "Critical Pathways" [All Fields] OR "Decision Tree" [All Fields] OR "anamnesis" [All Fields] OR "case history" [All Fields] OR "Self-Assessment" [All Fields] OR "assess*" [All Fields] OR "evaluability" [All Fields] OR "evaluate" [All Fields] OR "evaluates" [All Fields] OR "evaluating" [All Fields] OR "evaluations" [All Fields] OR "evaluative" [All Fields] OR "evaluative" [All Fields] OR "evaluators" [All Fields] OR "evaluators" [All Fields] OR "evaluators" [All Fields] OR "evaluators" [All Fields] OR "patient narratives" [All Fields] OR "team feedback" [All Fields] OR "referral and consultation" [All Fields] OR "patient narratives" [All Fields]	7,751,527	08:21:59
#7			Search: #5 OR #6	192,747	08:20:58
#6			Search: #2 AND #4	<u>5,572</u>	08:20:21
Search	Actions	Details	Query	Results	Time
#5			Search: #2 AND #3	190,630	08:19:55
#4			Search: "Environmental Factors" [All Fields] OR "Personal Factors" [All Fields] OR "Loads" [All Fields] OR "Curbs" [All Fields] OR "Crowd" [All Fields] OR "Inclines" [All Fields] OR "Declines" [All Fields] OR "Physical Activity" [All Fields] OR "Stair Climbing" OR stair* OR "descending stairs" OR "obstacle negotiation" OR obstacle OR Load OR traffic OR "avoiding collision" OR maneuvering OR uphill OR downhill OR "up ramp" OR "down ramp" OR street OR shopping OR terrain OR "uneven surface" OR "ambient demands" OR "weather conditions" OR noise OR "Personal Factors" OR attitude OR "social influence" and "self-Efficacy" OR "behavioral beliefs" OR "normative beliefs" OR "social influence" OR shame* OR "motor dual-task*" OR "dual-task" OR "cognitive task"	43,680	08:18:12
#3			Search: Participation OR "Community participation" [All Fields] OR "community" [All Fields] OR ("reintegrate" [All Fields] OR "reintegrated" [All Fields] OR "reintegration" [All Fields] OR "reintegrations" [All Fields] OR "reintegrative" [All Fields] OR "re-integration" [All Fields] OR "social activities" [All Fields] OR "social role" [All Fields] OR "living environment" OR "outside world" OR "real life"	2,413,341	07:08:49
#2			Search: Walking[Title/Abstract] OR Locomotion[Title/Abstract] OR Gait[Title/Abstract] OR "Mobility Limitation"[Title/Abstract] OR "Dependent Ambulation"[Title/Abstract] OR walk*[Title/Abstract] OR locomot*[Title/Abstract] OR gait*[Title/Abstract] OR ambulation[Title/Abstract] OR ambula*[Title/Abstract] OR ambulant*[Title/Abstract] OR (mobil* activity[Title/Abstract] OR activities[Title/Abstract]) OR "community walking"[Title/Abstract]	1,231,260	07:05:05

#1	Search: Stroke[Title/Abstract] OR poststroke[Title/Abstract] OR "post-stroke"[Title/Abstract] OR apoplex*[Title/Abstract]	<u>346,418</u>	07:03:03
	OR "acquired brain injury"[Title/Abstract] OR pares*[Title/Abstract] OR hemipares*[Title/Abstract] OR hemipleg*[Title/Abstract] OR "cerebrovascular disorder"[Title/Abstract]		

PUBMED

Rationale for (individual) used or unused search techniques and/or search commands or search fields: operator NOT; wildcards (e.g. truncation); phrase search (e.g. quotation marks); search commands; search fields into which the search string is inserted (syntax).

If a reason for (individual) used or not used search techniques and/or search commands or search fields appears necessary, this can be recorded under the table.

☑ No justification necessary

Final Search String

#13: #11 AND #12

Date: 12.03.2023 Records: 40

Updated: 17.05.2024 Records: 43

6.2 Development Search String COCHRANE LIBRARY

The search string for Cochrane Library is not identical to the search in PUBMED. The reason is to specify the search and receive more specific results. The search terms, which relates to the construct "Outside-Walking and specific contextual factors (e.g.) "maneuvering" [All Fields] OR "maneuverings" [All Fields] OR "manoeuvrability" [All Fields] OR "manoeuvrable" [All Fields] OR "manoeuvre" [All Fields] OR "manoeuvred" [All Fields] OR "manoeuvred" [All Fields] OR "manoeuvred" [All Fields] OR "downhill" [All Fields] OR "uphills" [All Fields] OR "downhill" [All Fields] OR "streets" [All Fields] OR "streets" [All Fields] OR "streets" [All Fields] OR "shopped" [All Fields] OR "shopped" [All Fields] OR "shopping" [All

Rationale for (individual) used or unused search techniques and/or search commands or search fields: operator NOT, wildcards (e.g. truncation), phrase search (e.g. quotation marks), search commands, search fields into which the search string is inserted (syntax): no remarks.

⊠ No justification necessary

- #1 (Stroke OR poststroke OR "post-stroke" OR apoplex* OR "acquired brain injury" OR pares* OR hemipares* OR hemipleg* OR "cerebrovascular disorder"):ti,ab,kw (Word variations have been searched) 75163
- #2 (Walking OR Locomotion OR Gait OR "Mobility Limitation" OR "Dependent Ambulation" OR walk* OR locomot* OR gait* OR ambulation OR ambula* OR ambulant* OR (mobil* activity OR activities) OR "community walking"):ti,ab,kw (Word variations have been searched) 377229
- #3 (Participation OR "Community participation" OR "community" OR ("reintegrate" OR "reintegrated" OR "reintegration" OR "reintegration" OR "reintegration" OR "reintegration" OR "social activities" OR "social role" OR "living environment" OR "outside world" OR "real life") (Word variations have been searched) 422012
- #4 (environmentally OR environment OR "Personal Factors" OR "Loads" OR "Curbs" OR "Crowd" OR "Inclines" OR "Loads" OR "Curbs" OR "Crowd" OR "Inclines" OR "Declines" OR "Physical Activity" OR "Stair Climbing" OR obstacle OR Load OR traffic OR "avoiding collision" OR uphill OR downhill OR "up ramp" OR "down ramp" OR street OR shopping OR terrain OR "uneven surface" OR "ambient demands" OR "weather conditions" OR attitude OR "social influence" and "self-Efficacy" OR "behavioral beliefs" OR "normative beliefs" OR "social influence" OR shame OR "dual-task" OR "cognitive task") (Word variations have been searched) 201583
- #6 (interprof* OR interdisc* OR multidisc* OR multiprof* OR transdisciplin* OR transprof* OR team OR "team-work" OR teamwork OR intercollaboration OR intercelations OR intercommunication OR "care coordination" OR "integrated care" OR "Interdisciplinary Care") (Word variations have been searched) 49368
- #7 (("rehabilitant" OR "rehabilitants" OR "rehabilitate" OR "rehabilitated" OR "rehabilitates" OR "rehabilitation" OR "rehabilitation" OR "rehabilitations" OR "Therapy-management") AND (rehabilitation OR outpatient OR non-stationary OR Therapy-management) AND ("outpatient s" OR "outpatients" OR "outpatients" OR "outpatients" OR "non-stationary")) (Word variations have been searched) 5822

#8 #2 AND #3 32903 #9 #2 AND #4 62723 #10 #8 OR #9 83634 #1 AND #10 4298 #11 #12 #11 AND # 5 AND #6 332 #12 AND #7 57 #13

FINAL SEARCH STRING COCHRANE LIBRARY

#13: #12 AND #7

Date: 24.03.3023 05:14:07

Records: 57

Updated: 17.05.2024

Records: 14

6.3 Development Search String CINAHL

S11 S9 AND S10	<u>=</u> (317)
	= =
S10 S6 OR S7 OR S8	(2,485,329)
	= (241)
S9 S1 AND S2 AND S5	<u>-</u> (341)
	= = (566,200)
S8 TX ("commun*" AND "rehabilitat*" AND "service*") OR TX rehabil* OR TX "Therapy-management" Of outpatient OR TX non-stationary OR TX "outpatient* s"	
TX ("interprof*" OR "team*" OR "Interprofessional collaboration" OR "Interprofessional Rela "Interprofessional Relations" OR "Interdisciplinary Communication" OR transdisciplinar* OR care coord Collaboration OR "integrated care" OR "interprofessional teamwork" OR "Interdisciplinary Care" OR Care Relatives " OR Therapist* OR "Physical Therapists" OR "Physiotherapist" OR "Occupational Then "Orthopedic Technicians" OR "Engineer" OR "Physicians" OR Doctor OR "Medical Doctor" OR Practitioner" OR "Social Worker" OR "Health professional" Or "Health Personnel" OR "Health care professionals" OR interdisciplinary OR "multidiscipli "multidisciplinary care team")	ination OR (150,562) egivers OR rapist" OR "Medical: viders" OR
TX "assessement tool" OR TX "clinical assessement tool" OR TX "diagno*" OR TX "instrument construction TX "diagnos*" OR TX "Point-of-Care Testing OR TX "Medical Record" OR TX "Patient Care Manages TX "Comprehensive Health Care" OR TX "Patient Care Planning" OR TX "Critical Pathways" OR TX Tree" OR TX "anamnesis" OR TX "case history" OR TX "Self-Assessment" OR TX "assess*" OR feedback" OR TX "referral and consultation" OR TX "patient narratives"	ement" OR (1,627,563) "Decision
	<u>-</u> (350,735)
S5 S3 OR S4	
AB Participation OR AB "Community participation" OR AB "community" OR AB "reintegrat*" OR AB "activities" OR AB "social role" OR AB "living environment" OR AB "outside world" OR AB "real life"	= (301,350) social
	= = (110,207)
S3 TI Participation OR TI "Community participation" OR TI "community" OR TI "reintegrat*" OR TI "social activities" OR TI "social role" OR TI "living environment" OR TI "outside world" OR TI "real life"	l
TI Walk*OR TI Locomot* OR TI Gait OR TI "OR TI "Mobility Limitation" OR TI "Dependent Ambulation" OR AB "community walking" OR TI "community ambulation" OR TI "Dependent Ambulation" OR AB Wa Locomot* OR AB Gait OR AB "OR AB "Mobility Limitation" OR AB "Dependent Ambulation OR AB "walking" OR AB "community ambulation" OR AB "Dependent Ambulation"	lk*OR AB
TI "ischemic stroke" OR TI "stroke patients" OR TI "hemorrhagic stroke" OR TI stroke OR TI hemi S1 TI "hemipares* OR AB "ischemic stroke" OR AB "stroke paABents" OR AB "hemorrhagic stroke" OF stroke OR AB hemipleg* OR AB "hemipares*	

FINAL SEARCH STRING CINAHL

S11: S9 AND S10

Date: 12.03.2023 Records: 317

Updated: 17.05.2024

Records: 328

Rationale for (individual) used or unused search techniques and/or search commands or search fields:

Departor OR: The combination with AND (with S6, S7, S8) leads to less the records, the operator OR is chosen (S6 OR S7 OR S8), wildcards (e.g. truncation), phrase search (e.g. quotation marks), search commands, search fields into which the search string is inserted (syntax).

If a reason for (individual) used or not used search techniques and/or search commands or search fields appears necessary, this can be recorded under the table: not relevant.

6.4 Development Search String PSYNDEX via LIVIVO

Client (Population)	Client (Problem)	Impact	Professionals	Service
MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields	MeSH OR Keywords in Title/Abstract and All Fields
Schlaganfall	Außerhäusliche gangbezogene Teilhabe	Diagnostik	Interprofessionelle Zusammenarbeit	Ambulante Rehabilitation
TI=Schlaganfall OR Ischämie OR Hirnblutung OR Hemiplegie OR Hemiparese	Geh* OR Mobilität OR Gang OR Außerhäuslich	Diagnostik OR Assessment OR Evaluation OR Test OR Messung	"Interprofessionelle Zusammenarbeit" OR Interprofessionell OR Interdisziplinär OR "Interdisziplinäres Team" OR "Interdisziplinäre Zusammenarbeit" OR "Interdisziplinäre Kommunikation"	rehabilitat* OR rehabil* OR ambulant OR "Heil- und Hilfsmittel"
	Partizipation OR Teilhabe OR Wiedereingliederungen OR Integration OR Reintegration OR Wiedereingliederung OR Lebensumfeld			

24.03.2023

#1	TI=(Schlaganfall OR Ischämie OR Hirnblutung OR Hemiplegie OR Hemiparese)	255223
#2	Geh* OR Mobilität OR Gang OR Außerhäuslich	959068
#3	Partizipation OR Teilhabe OR Wiedereingliederungen OR Integration OR Reintegration OR Wiedereingliederung OR Lebensumfeld	2169791
#4	Diagnostik OR Assessment OR Evaluation OR Test OR Messung	12902277
#5	"Interprofessionelle Zusammenarbeit" OR Interprofessionell OR Interdisziplinär OR "Interdisziplinäres Team" OR "Interdisziplinäre Zusammenarbeit" OR "Interdisziplinäre Kommunikation"	119875
#6	#1 AND #2 AND #3 AND #4 AND #5	1
#7	rehabilitat* OR rehabil* OR ambulant OR "Heil- und Hilfsmittel"	635322
#8	#1 AND #2 AND #3 AND #4 AND #7	181

Final Search String PSYNDEX via LIVIVO

#8: #1 AND #2 AND #3 AND #4 AND #7

Date: 12.03.2023 Records: 181

Updated: 17.05.2024 Records: 195

Rationale for (individual) used or unused search techniques and/or search commands or search fields: The search command #1 AND #2 AND #3 AND #4 AND #5 with the search component "interprofessional" leads to many not-relevant articles (after title and abstract screening). It was ignored in this database-search. To expand the search field in terms of the construct of out-of-home walking ability, searches were conducted in all fields, not just "Title and Abstract".

6.5 Development Search String PEDro

Search: Stroke Community Walking Participation Assessment

Records 3 Date 12.03.2023

Search: Stroke Walking Participation Assessment

Records 6 Date 12.03.2023

Title	Method	Score (/10)	Select Record
Home-based exercises are as effective as equivalent doses of centre-based exercises for improving walking speed and balance after stroke: a systematic review [with consumer summary]	systematic review	N/A	Select
Whole-body vibration intensities in chronic stroke: a randomized controlled trial	clinical trial	8/10	Select
<u>Family-mediated exercise intervention (FAME): evaluation of a novel form of exercise delivery after stroke</u>	clinical trial	8/10	Select
Community walking training program improves walking function and social participation in chronic stroke patients	clinical trial	6/10	Select
Effect of early compensation of distal motor deficiency by the Chignon ankle-foot orthosis on gait in hemiplegic patients: a randomized pilot study		6/10	Select
Effects of a combined group physical activity program in people with chronic stroke: a randomized, cross-over trial in a low-income setting	clinical trial	currently being rated	Select
	Method	Score (/10)	Select Record

FINAL SEARCH STRING PEDro

(Abstract AND Title) Stroke Community Participation Assessment

Date: 12.03.2023 Records: 11

Updated: 17.05.2024

Records: 11

Operator NOT, wildcards (e.g. truncation); phrase search (e.g. quotation marks), search commands; search fields into which the search string is inserted (syntax): not relevant.

If a reason for (individual) used or not used search techniques and/or search commands or search fields appears necessary, this can be recorded under the table.

☑ No justification necessary

7 Additional research options

Backward Search

Database: Research Rabbit Search date: 09.04.2023

Records: 30

x Hand search

Medium	Date	Records
Neuroreha	12.0309.04.2023	1
physioscience	12.0309.04.2023	0
Physiopraxis	12.0309.04.2023	0
Ergopraxis	12.0309.04.2023	1

Updated: 17.05.2024 no new records

8 Checking the search string

The search string were controlled by the following control questions (PRESS 2015 Guideline Evidence Based Checklist)1

Name and Date of the controlling person for the respective database are documented (see below).

^{1 1} Modifikation nach: McGowan, J., Sampson, M., Salzwedel, D. M., Cogo, E., Foerster, V. & Lefebvre, C. (2016). PRESS Peer Review of Electronic Search Strategies: 2015 Guideline Statement. Journal of Clinical Epidemiology, 75, 40-46. Augenscheinliche Übersetzung, welche nicht durch Dritte geprüft wurde.

Database	Cochrane Library	CINAHL	PSYINDEX via Livivo	PEDro
D			222 / 11 23/1/0	222.0
Database Search String	Cochrane Library MEDLINE ("Stroke"[Title/Abstract] OR "poststroke"[Title/Abstract] OF "post- stroke"[Title/Abstract] OR "apoplex*"[Title/Abstract] OF "acquired brain injury"[Title/Abstract] OR "hemipares*"[Title/Abstract] OR "cerebrovascula disorder"[Title/Abstract] OR "Cerebrovascula disorder"[Title/Abstract] OR "Gait"[Title/Abstract] OF "Locomotion"[Title/Abstract] OR "Gait"[Title/Abstract] OF "Mobility Limitation"[Title/Abstract] OR "Dependen Ambulation"[Title/Abstract] OR "Dependen Ambulation"[Title/Abstract] OR "Dependen Ambulation"[Title/Abstract] OR "Dependen Ambulation"[Title/Abstract] OR "ambulation"[Title/Abstract] OR "ambulation"[Title/Abstract] OR "ambulation"[Title/Abstract] OR "ambulation"[Title/Abstract] OR "ambulation"[Title/Abstract] OR "ambulation"[Title/Abstract] OR "artivity"[Title/Abstract] OR "community walking"[Title/Abstract] OR "community walking"[Title/Abstract]) OR "community walking"[Title/Abstract]) OR "participates"[All Fields] OR "participation"[All Fields] OR "community participation"[All Fields] OR "community participation"[All Fields] OR "community participation"[All Fields] OR "community [All Fields]	"stroke patients" OR AB "hemorrhagic stroke" OR AB stroke OR AB hemipleg* OR AB " hemipares*) AND (TI Walk*OR TI Locomot* OR TI Gait OR TI "OR TI "Mobility Limitation" OR TI "Dependent Ambulation OR TI "community walking" OR TI "community ambulation" OR AB "Mobility Limitation" OR AB Walk*OR AB Locomot* OR AB Gait OR AB "OR AB "Mobility Limitation" OR AB "Dependent Ambulation OR AB "Community walking" OR AB "community ambulation" OR AB "Dependent Ambulation" OR AB "Community ambulation" OR AB "Dependent Ambulation" OR TI "reintegrat*" OR TI "social activities" OR TI "social role" OR TI "living environment" OR TI "outside world" OR TI "real life" OR AB Participation OR AB "Community participation" OR AB "Community articipation" OR AB "Social activities" OR AB "Social role" OR AB "living environment" OR AB "social world" OR AB "social role" OR AB "living environment" OR AB "social world" OR AB "social role" OR AB "sassessement tool" OR TX "Clinical assessement tool" OR TX "diagno*" OR TX "Instrument construction" OR TX "diagno*" OR TX "Patient Care Management" OR TX "Comprehensive Health Care" OR TX "Patient Care Planning" OR TX "Critical Pathways" OR TX "Decision Tree" OR TX "Critical Pathways" OR TX "case history" OR TX "SelfAssessment" OR TX "anamnesis" OR TX "case history" OR TX "SelfAssessment" OR TX "anamnesis" OR TX "case history" OR TX "assess*" OR TX "team feedback"	PSYINDEX via Livivo TI=(Schlaganfall OR Ischämie OR Himblutung OR Hemiplegie OR Hemiplegie OR Hemiplegie OR Hemiparese) AND (Geh* OR Mobilität OR Gang OR Außerhäuslich) AND (Partizipation OR Teilhabe OR Wiedereingliederungen OR Mintegration OR Reintegration OR Wiedereingliederung OR Wiedereingliederungen R Lebensumfeld) AND (Diagnostik OR Assessment OR Evaluation OR Test OR Messung) AND (rehabilitat* OR rehabil* OR ambulant OR "Heilund Hilfsmittel")	Stroke Community Participation Assessment
			37	

"Mobility Limitation" [Title/Abstract] OR "Dependent Ambulation" [Title/Abstract] OR "walk*" [Title/Abstract] OR "gait*" [Title/Abstract] OR "ambulation" [Title/Abstract] OR "ambulation" [Title/Abstract] OR "ambulation" [Title/Abstract] OR "ambulant*" [Title/Abstract] OR "ambulant*" [Title/Abstract] OR "ambulant*" [Title/Abstract] OR "community walking" [Title/Abstract]) OR "activity" [Title/Abstract]) OR "community walking" [Title/Abstract]) OR "community walking" [Title/Abstract]) OR "Loads" [All Fields] OR "Posonal Factors" [All Fields] OR "Loads" [All Fields] OR "Curbs" [All Fields] OR "Cowd" [All Fields] OR "Loads" [All Fields] OR "Curbs" [All Fields] OR "Cowd" [All Fields] OR "Curbs" [All Fields] OR "Cowd" [All Fields] OR "Cowdence" [All Fields] OR "descending stairs" [All Fields] OR "stair*" [All Fields] OR "descending stairs" [All Fields] OR "cowdence" [All Fields] OR "cowdence" [All Fields] OR "traffics" [All Fields] OR "maneuverd" [All Fields] OR "maneuverd" [All Fields] OR "maneuverd" [All Fields] OR "maneuvering" [All Fields] OR "maneuverd" [All Fields] OR "manoeuvred [All Fields] OR "manoeuvr	"Interprofessional Relations" OR "Interprofessional Relations" OR "Interdisciplinary Communication" OR transdisciplinar* OR care coordination OR Collaboration OR "integrated care" OR "interprofessional teamwork" OR "Interdisciplinary Care" OR Caregivers OR Relatives "OR Therapist* OR "Physical Therapists" OR "Physiotherapist" OR "Occupational Therapist" OR "Orthopedic Technicians" OR "Engineer" OR "Physicians" OR Doctor OR "Medical Doctor" OR "Medical Practitioner" OR "Social Worker" OR "Health professional" OR "Health Personnel" OR "Health care providers" OR "Health care workers" OR "Health care professionals OR interdisciplinary OR "multidisciplinar*" OR "multidisciplinary care team" OR "commun*") OR ("rehabilitat*" OR TX rehabil* OR TX "Therapymanagement" OR TX outpatient OR TX nonstationary OR TX "outpatient* s*"))		
--	--	--	--

conditions"[All Fields] OR ("noise"[MeSH Terms] OR "noise"[All Fields] OR "noises"[All Fields] OR "noise s"[All Fields] OR "noised"[All Fields] OR "noising"[All Fields]) OR "Personal Factors"[All Fields] OR ("attitude"[MeSH Terms] OR "attitude" [All Fields] OR "attitudes" [All Fields] OR "attitude s" [All Fields]) OR "social influence"[All Fields]) AND "self- Efficacy"[All Fields]) OR "behavioral beliefs" [All Fields] OR "normative beliefs" [All Fields] OR "social influence"[All Fields] OR "shame*"[All Fields] OR "motor dual task*"[All Fields] OR "dual-task" [All Fields] OR "cognitive task" [All Fields]))) AND ("Point-of-Care Testing"[All Fields] OR "Medical History"[All Fields] OR "Medical Record"[All Fields] OR "Patient Care Management" [All Fieldsl OR "Comprehensive Health Care"[All Fields] OR "Patient Care Planning" [All Fields] OR "Critical Pathways" [All Fields] OR "Decision Tree" [All Fields] OR "anamnesis" [All Fields] OR "case history" [All Fields OR "Self- Assessment" [All Fields OR "assess*" [All Fields OR "evaluability" [All Fields] OR "evaluate" [All Fields] OR "evaluated" [All Fields] OR "evaluates" [All Fields] OR "evaluating" [All Fields] OR "evaluation" [All Fields] OR "evaluation s"[All Fields] OR "evaluations"[All Fields] OR "evaluative"[All Fields] OR "evaluatively"[All Fields] OR "evaluatives" [All Fields] OR "evaluator" [All Fields] OR "evaluator s"[All Fields] OR "evaluators"[All Fields] OR "team feedback"[All Fields] OR "referral and consultation" [All Fields] OR "patient narratives" [All AND ("interprof*" [All Fields] OR "interdisc*" [All Fields] OR "multidisc*"[All Fields] OR "multiprof*"[All OR "transdisciplinary*"[All Fields] OR "transprof*"[All Fields OR "team*" [All Fields OR "team-work" [All Fields OR "inter collaboration"[All Fields] OR "inter relations"[All Fields] OR "inter communication"[All Fields] OR "care coordination"[All Fields] OR "integrated

Criteria				
Check Search String	⊠ Yes □ No	⊠Yes □ No	⊠Yes □ No	⊠Yes □ No
	Daviela Kollv	Daniela Kollv	Daniela Kollv	Daniela Kollv
Name Date	Daniela Koller 31.03.2023	Daniela Koller 31.03.2023	Daniela Koller 31.03.2023	Daniela Koller 31.03.2023
Translation research question (s)				
Does the search strategy match the research question?	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.
Are the search components clearly defined and separated from each other?	 ⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.
Are there too few or too many search components with regard to the research question or the desired research principle?	☐ Yes, too much/less ☒No Explain if necessary.	☐ Yes, too much/less ☒No Explain if necessary.	☐ Yes, too much/less ☒No Explain if necessary.	☐ Yes, too much/less ☒No Explain if necessary.
Are the search components too sensitive or specific with regard to the research question or the desired research principle?	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.	⊠Yes □ No Explain if necessary.
Are there too few or too many search hits with regard to the research question or the desired research principle?	☐ Yes, too much/less ☑No Explain if necessary.	☐ Yes, too much/less ☒No Explain if necessary.	☐ Yes, too much/less ☒No Explain if necessary.	☐ Yes, too much/less ☒No Explain if necessary.

Keywords				
Are all keywords relevant?	⊠Yes □ No Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	✓Yes □ No □ n.a.Explain if necessary.
Are relevant keywords or synonyms missing?	Yes ⊠ No □ n.a. Explain if necessary.	☐ Yes ☒ No ☐ n.a. Explain if necessary.	☐ Yes ☒ No ☐ n.a. Explain if necessary.	☐ Yes ☒ No ☐ n.a. Explain if necessary.
Are placeholders appropriate and used correctly (e.g. appropriate and correct truncation, consistency of use, not placed too early or too late)?	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Are all alternative spellings of keywords (e.g. singular/plural, hyphenated spellings, acronyms/abbreviations, British/American English) covered by specific mentions or placeholders?	⊠Yes □ No Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Are (individual) keywords too sensitive or specific with regard to the research question or the desired research principle?	☐ Yes, too sensitive/specific ☑No ☐ n.a. Explain if necessary.	☐ Yes, too sensitive/specific ☐ No ☐ n.a. Explain if necessary.	☐ Yes, too sensitive/specific ☐ No ☐ n.a. Explain if necessary.	☐ Yes, too sensitive/specific ☒No ☐ n.a. Explain if necessary.
Have keywords and keywords been defined for each search component?	 ⊠Yes □ No □ n.a. Explain if necessary. 			
Subject Headings				
Are all tags relevant?	 ⊠Yes □ No □ n.a. Explain if necessary. 			
Are relevant keywords missing?	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.
Are subordinate or superordinate keywords too sensitive or specific with regard to the research question or the desired research principle?	☐ Yes ☑No ☐n.a. Explain if necessary.	☐ Yes ⊠No ☐ n.a. Explain if necessary.	☐ Yes ☑ No ☐ n.a. Explain if necessary.	☐ Yes ☑ No ☐ n.a. Explain if necessary.
	⊠Yes □ No □ n.a.	⊠Yes □ No □ n.a.	⊠Yes □ No □ n.a.	⊠Yes □ No □ n.a.

Have keywords been expanded to underlying keywords appropriately and correctly?	Explain if necessary.	Explain if necessary.	Explain if necessary.	Explain if necessary.
Were further restrictions (e.g. subheadings) assigned to the keywords appropriately and correctly?	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Search				
Are all tags relevant?	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Are relevant keywords missing?	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.
Are subordinate or superordinate keywords too sensitive or specific with regard to the research question or the desired research principle?	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.
Have keywords been expanded to underlying keywords appropriately and correctly?	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Were further restrictions (e.g. subheadings) assigned to the keywords appropriately and correctly	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Spelling and syntax				
Are there any spelling mistakes in the keywords and keywords?	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.
Are there any syntax errors?	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.
Have all search components been integrated into the search string?	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Search filter				

Were the search filters used appropriately and correctly?	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Are the search filters applicable in the respective database?	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.	⊠Yes □ No □ n.a. Explain if necessary.
Missing search filters?	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.	☐ Yes ☒No ☐ n.a. Explain if necessary.

Table 12 Search String Control (PRESS 2015 Guideline EvidenceBased Checklist)

9 Carrying out search

The final search strings use the main components "stroke" "Walking" and "Interprofessional" with title/abstract and MeSH term search. The other components are added subsequently with a search in the text field. Filters are used if the number of hits is too high. The specific search terms "therapy and aids-supply management" are turned off in the development of the final search string, as a restriction which leads to less records for the very specific research questions. The relevance of the results of the Integrative Review will be discussed under the topic of therapy and aids-supply management for people with limitations in outside-gait-related participation.

Search	filter (with reason).
Particu	larities.
\boxtimes	No justification necessary

10 References

Cameron, Jill I.; O'Connell, Colleen; Foley, Norine; Salter, Katherine; Booth, Rhonda; Boyle, Rosemary et al. (2016): Canadian Stroke Best Practice Recommendations: Managing transitions of care following Stroke, Guidelines Update 2016. In: *Int J Stroke* 11 (7), S. 807–822. DOI: 10.1177/1747493016660102.

Chen, Emily P.; Arslanian Engoren, Cynthia; Newhouse, William; Egleston, Diane; Sahgal, Savina; Yande, Aneesha et al. (2020): Development and usability testing of Understanding Stroke, a tailored life sustaining treatment decision support tool for stroke surrogate decision makers. In: *BMC palliative care* 19 (1), S. 110. DOI: 10.1186/s1290402000617x.

Cooper, Chris; Booth, Andrew; Varley Campbell, Jo; Britten, Nicky; Garside, Ruth (2018): Defining the process to literature searching in systematic reviews: a literature review of guidance and supporting studies. In: *BMC medical research methodology* 18 (1), S. 85. DOI: 10.1186/s1287401805453.

Hiragami, Fukumi; Hiragami, Shogo; Suzuki, Yasuo (2016): A Process of Multidisciplinary Team Communication to Individualize Stroke Rehabilitation of an 84YearOld Stroke Patient. In: *Care management journals: Journal of case management; The journal of long term home health care* 17 (2), S. 97–104. DOI: 10.1891/15210987.17.2.97.

Martin, Aleysha K.; McCarthy, Alexandra L.; Sowa, P. Marcin; Laakso, ELiisa (2022): Coproduction of a transdisciplinary assessment by researchers and healthcare professionals: a case study. In: *Public health research & practice* 32 (2). DOI: 10.17061/phrp3222217.

Nanninga, Christa S.; Meijering, Louise; Postema, Klaas; Schönherr, Marleen C.; Lettinga, Ant T. (2017): Unpacking community mobility: a preliminary study into the embodied experiences of stroke survivors. In: *Disabil Rehabil*, S. 1–10. DOI: 10.1080/09638288.2017.1323031.

Nordhausen, Thomas; Hirt, Julian (2023): RefHunter – Systematische Literaturrecherche. Online verfügbar unter https://refhunter.org/, zuletzt aktualisiert am 07.03.2023, zuletzt geprüft am 07.03.2023.

O'Brien, Suzanne R.; Durr, Katherine; Laubisch, Elizabeth; Losi, Lauren; Parrillo, Vincent; Pericozzi, Sarah et al. (2021): Every person is an individual: physical therapist clinical reasoning used in inpatient rehabilitation for walking assistive device prescription in patients with stroke and brain injury. In: *Disabil Rehabil Assist Technol* 16 (1), S. 1–8. DOI: 10.1080/17483107.2019.1647568.

Outermans, Jacqueline; Pool, Jan; van de Port, Ingrid; Bakers, Japie; Wittink, Harriet (2016): What's keeping people after stroke from walking outdoors to become physically active? A qualitative study, using an integrated biomedical and behavioural theory of functioning and disability. In: *BMC Neurol* 16 (1), S. 137. DOI: 10.1186/s1288301606566.

Philp, Ian; Brainin, Michael; Walker, Marion F.; Ward, Anthony B.; Gillard, Patrick; Shields, Alan L.; Norrving, Bo (2012): Development of a Poststroke Checklist to Standardize Follow up Care for Stroke Survivors. In: *J Stroke Cerebrovasc Dis.* DOI: 10.1016/j.jstrokecerebrovasdis.2012.10.016.

Pott, C. (2022): Das Konstrukt der »Außerhäuslichen Gehfähigkeit von Personen in der chronischen Phase nach Schlaganfall« – Scoping Review. In: *NR* 28 (03), S. 147–163. DOI: 10.14624/NR2203001.

Voogdt Pruis, Helene R.; Zonneveld, Nick; Bergsma, Monique; van Wijk, Elize; Kerkhoff, Henk; van der Dussen, Luikje et al. (2021): Optimizing Integrated Stroke Care in Regional Networks: A Nationwide Self Assessment Study in 2012, 2015 and 2019. In: *International journal of integrated care* 21 (3), S. 12. DOI: 10.5334/ijic.5611.

Wildridge, Valerie; Bell, Lucy (2002): How CLIP became ECLIPSE: a mnemonic to assist in searching for health policy/ management information. In: *Health information and libraries journal* 19 (2), S. 113–115. DOI: 10.1046/j.14711842.2002.00378.x.