

Appendix S1. Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews (PRISMA-ScR) Checklist

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
TITLE			
Title	1	Identify the report as a scoping review.	1
ABSTRACT			
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	2
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	3-4
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	5-6
METHODS			
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	5
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	6
Information sources*	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	6
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	6
Selection of sources of evidence†	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	6
Data charting process‡	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	6-7
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	6-7
Critical appraisal of individual sources of evidence§	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe the methods used and how this information was used in any data synthesis (if appropriate).	N/A
Synthesis of results	13	Describe the methods of handling and summarizing the data that were charted.	7-8
RESULTS			
Selection of sources of evidence	14	Give numbers of sources of evidence screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally using a flow diagram.	8
Characteristics of sources of evidence	15	For each source of evidence, present characteristics for which data were charted and provide the citations.	8
Critical appraisal within sources of evidence	16	If done, present data on critical appraisal of included sources of evidence (see item 12).	N/A

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	REPORTED ON PAGE #
Results of individual sources of evidence	17	For each included source of evidence, present the relevant data that were charted that relate to the review questions and objectives.	8-12
Synthesis of results	18	Summarize and/or present the charting results as they relate to the review questions and objectives.	8-12
DISCUSSION			
Summary of evidence	19	Summarize the main results (including an overview of concepts, themes, and types of evidence available), link to the review questions and objectives, and consider the relevance to key groups.	12-14
Limitations	20	Discuss the limitations of the scoping review process.	15
Conclusions	21	Provide a general interpretation of the results with respect to the review questions and objectives, as well as potential implications and/or next steps.	16
FUNDING			
Funding	22	Describe sources of funding for the included sources of evidence, as well as sources of funding for the scoping review. Describe the role of the funders of the scoping review.	16

From: Tricco AC, Lillie E, Zarin W, O'Brien KK, Colquhoun H, Levac D, et al. PRISMA Extension for Scoping Reviews (PRISMA-ScR): Checklist and Explanation. *Ann Intern Med.* 2018;169:467–473. doi: [10.7326/M18-0850](https://doi.org/10.7326/M18-0850).

Appendix SII. The general study characteristics, TMFs used in the studies and study purposes in included studies (n = 121)

Study (AU, year, country)	Study design	Informants	Target population	Study setting	TMFs reported in the included studies	Categories of theoretical approaches outlined by Nilsen (2015; 2024)	Study purpose
Adsul et al. 2022, USA	Mixed methods	Multiperspective (including participants in leadership positions)	Cancer	Multiple	Exploration, Preparation, Implementation and Sustainment (EPIS)	Determinant framework	Guide design or selection of IS strategies Identify barriers and facilitators Specify or describe process of implementation
Ahmed et al. 2021, Canada	Mixed methods	Multiperspective (including participants in leadership positions)	Other (chronic pain)	Multiple	Consolidated Framework for Implementation Research (CFIR) Theoretical Domains Framework (TDF)	Determinant framework	Guide implementation planning Identify barriers and facilitators Identify IS strategies
Alatawi et al. 2022, Saudi Arabia	Qualitative	One Profession (including participants in leadership positions)	Neurological (stroke)	Outpatient	Integrated Promoting Action on Research Implementation in Health Services (iPARiHS)	Determinant framework	Development or adaptation of recommendations or pathways or guidelines
Alatawi. 2019, Saudi Arabia	Mixed methods	One Profession	Neurological (stroke)	Regional /government	Knowledge-to-Action (KTA)	Process model	Guide implementation planning Identify barriers and facilitators
Allen et al. 2020, Canada	Qualitative	Interprofessional	Neurological (stroke)	Inpatient	Integrated Promoting Action on Research Implementation in Health Services (iPARiHS)	Determinant framework	Development or adaptation of recommendations or pathways or guidelines Guide implementation planning
Arnold et al. 2020, Australia	Quantitative	One Profession	Aphasia	Multiple	Theoretical Domains Framework (TDF)	Determinant framework	Describe current practice Identify barriers and facilitators

Auld & Johnston 2019, Australia	Mixed methods	Interprofessional	Paediatric	Not reported	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes Guide implementation planning Identify IS strategies Identify barriers and facilitators
Bird et al. 2019, Canada	Qualitative	Multiperspective (including participants in leadership positions)	Neurological (stroke)	Community	Normalization Process Theory (NPT)	Implementation theory	Development or adaptation of intervention Evaluation of process evaluation of implementation outcomes
Bond et al. 2021, USA	Qualitative	Multiperspective (including participants in leadership positions)	Other (employment)	Regional /government	State Health Agency Yardstick (SHAY)	Determinant framework	Identify barriers and facilitators Identify IS strategies
Bozec et al. 2021, USA	Mixed methods	One Profession	Several	Inpatient	Consolidated Framework for Implementation Research (CFIR) Theoretical Domains Framework (TDF)	Determinant framework	Development or adaptation of intervention Identify barriers and facilitators
Brouns et al. 2018, Netherlands	Qualitative	Interprofessional (including participants in leadership positions)	Neurological (stroke)	Outpatient	Grol's and Wensing's model	Determinant framework	Identify barriers and facilitators
Cahill et al. 2021, Australia	Qualitative	Interprofessional	Neurological (stroke)	Not reported	Normalization Process Theory (NPT) Theoretical Domains Framework (TDF)	Implementation theory Determinant framework	Identify barriers and facilitators
Camden et al. 2015, Canada	Quantitative	One Profession	Paediatric	Multiple	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes Evaluation of process

Celian et al. 2021, USA	Qualitative	Interprofessional	Several	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Clare et al. 2023, UK	Mixed methods	Multiperspective	Other (dementia)	Community	Knowledge-to-Action (KTA) Ottawa Model of Research Use Integrated Promoting Action on Research Implementation in Health Services (iPARiHS) Stetler Model of Research Utilization Proctor's taxonomy of implementation outcomes	Process model Determinant framework Evaluation framework	Evaluation of implementation outcomes Evaluation of intervention outcomes Evaluation of process Identify barriers and facilitators
Connell et al. 2021, New Zealand	Qualitative	Interprofessional	Neurological (stroke)	Regional /government	Normalization Process Theory (NPT) Consolidated Framework for Implementation Research (CFIR)	Implementation theory Determinant framework	Identify barriers and facilitators Identify IS strategies
Connell et al. 2014, UK	Quantitative	Interprofessional	Neurological (stroke)	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice
Connell et al. 2016a, UK	Qualitative	Multiperspective	Neurological (stroke)	Inpatient	Behaviour Change wheel (BCW)	Implementation theory	Evaluation of process Evaluation of implementation outcomes
Connell et al. 2016b, UK	Qualitative	Interprofessional (including participants in leadership positions)	Neurological (stroke)	Inpatient	Behaviour Change wheel (BCW) Theoretical Domains Framework (TDF)	Implementation theory Determinant framework	Specify relationship between constructs or mechanism

Corbin et al. 2023, France	Qualitative	Interprofessional	Neurological (stroke)	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice Identify barriers and facilitators
Cox et al. 2021, Australia	Quantitative	One Profession	Several	Community	Capability, Opportunity, Motivation and Behaviour (COM-B) Theoretical Domains Framework (TDF)	Implementation theory Determinant framework	Development of IS strategies Evaluation of implementation outcomes Identify barriers and facilitators
Cunningham et al 2018, Canada	Quantitative	One Profession	Paediatric	Community	Theory of Diffusion of Innovation (DOI)	Classic theory	Specify or describe process of implementation
Cunningham et al. 2016, Canada	Quantitative	One Profession	Paediatric	Community	Theory of Diffusion of Innovation (DOI)	Classic theory	Guide design or selection of IS strategies Evaluation of process Specify or describe process of implementation
Daoust et al. 2021, Canada	Qualitative	One Profession	Paediatric	Multiple	Consolidated Framework for Implementation Research (CFIR) Knowledge-to-Action (KTA)	Determinant framework Process model	Development or adaptation of intervention
Demers et al. 2015, Canada	Qualitative	Interprofessional	Several	Multiple	Knowledge-to-Action (KTA)	Process model	Identify barriers and facilitators
Déry et al. 2021, Canada	Mixed methods	Interprofessional (including participants in leadership positions)	Several	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
D'Souza et al. 2022, Australia	Qualitative	Interprofessional	Aphasia	Inpatient	Behaviour Change Taxonomy Behaviour Change wheel (BCW)	Implementation theory Process model	Evaluation of process Evaluation of implementation outcomes Identify barriers and facilitators

					Knowledge-to-Action (KTA)		
Duran et al. 2023; USA	Mixed methods	Interprofessional (including participants in leadership positions)	Cardiovascular	Outpatient	Consolidated Framework for Implementation Research (CFIR) Theoretical Domains Framework (TDF)	Determinant framework	Development or adaptation of intervention Identify barriers and facilitators Specify or describe process of implementation
Eakin et al. 2015, USA	Qualitative	Interprofessional	Several	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Evaluation of process Evaluation of implementation outcomes Identify barriers and facilitators Identify IS strategies
Fehlings et al. 2017, Canada	Qualitative	Multiperspective (including participants in leadership positions)	Neurological (spinal cord injury)	Regional /government	Knowledge-to-Action (KTA)	Process model	Guide implementation planning
Ferro & Quinn 2020, USA	Mixed methods	One Profession	Paediatric	Community	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes Identify barriers and facilitators
Frost et al. 2020, UK	Mixed methods	Clients	Cardiovascular	Home-based	Social practice theory	Evaluation frameworks	Specify relationship between constructs or mechanism
Gaid et al. 2023, Canada	Qualitative	Interprofessional	Several	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Giurleo et al. 2022, UK	Mixed methods	Multiperspective	Neurological (spinal cord injury)	Inpatient	Active Implementation Frameworks Plan-Do-Study-Act (PDSA)	Determinant framework Process model	Evaluation of implementation outcomes Identify core components Specify or describe process of implementation

Gorzelitz et al. 2022, USA	Qualitative	Interprofessional	Cancer	Multiple	Consolidated Framework for Implementation Research (CFIR) Expert Recommendations for Implementation Change (ERIC)	Determinant framework	Describe current practice Identify barriers and facilitators Identify IS strategies Specify relationship between constructs or mechanism
Grimmer et al. 2019, South Africa	Mixed methods	Multiperspective (including participants in leadership positions)	Neurological (stroke)	Regional /government	Adopt-Contextualize- Adapt (ACA)	Process model	Specify or describe process of implementation
Hadely et al. 2014, Australia	Quantitative	One Profession	Neurological (stroke)	Multiple	Knowledge-to-Action (KTA)	Process model	Describe current practice Identify barriers and facilitators Identify IS strategies
Heinemann et al. 2022, USA	Qualitative	Other	Neurological (spinal cord injury)	Inpatient	CAN-IMPLMENTENT	Process model	Development or adaptation of intervention Specify or describe process of implementation
Hirschhorn et al. 2013, Australia	Qualitative	Multiperspective	Other (incontinence)	Multiple	French's approach	Process model	Identify barriers and facilitators
Holmlund et al. 2022, Sweden	Qualitative	Multiperspective	Psychiatric	Regional /government	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Hreha et al. 2022, USA	Mixed methods	Interprofessional (including participants in leadership positions)	Neurological (stroke)	Inpatient	Consolidated Framework for Implementation Research (CFIR) Knowledge-to-Action (KTA)	Determinant framework Process model	Evaluation of implementation outcomes Identify barriers and facilitators Specify or describe process of implementation

Imms et al. 2021, Australia	Quantitative	Multiperspective	Paediatric	Outpatient	Consolidated Framework for Implementation Research (CFIR) Theory of Diffusion of Innovation (DOI)	Determinant framework Classic theory	Evaluation of implementation outcomes
Inness et al. 2022, Canada	Qualitative	Interprofessional (including participants in leadership positions)	Neurological (stroke)	Multiple	Consolidated Framework for Implementation Research (CFIR) Theoretical Domains Framework (TDF)	Determinant framework	Identify barriers and facilitators Development of IS strategies
Jeong et al. 2016, Canada	Quantitative	One Profession	Paediatric	Multiple	Knowledge-to-Action (KTA)	Process model	Describe current practice Evaluation of implementation outcomes Evaluation of process Guide implementation planning Identify barriers and facilitators Specify or describe process of implementation
Jervis Rademeyer et al. 2023, Canada	Qualitative	Interprofessional	Neurological (spinal cord injury)	Multiple	Theoretical Domains Framework (TDF)	Determinant framework	Describe current practice
Johanson et al. 2020, Sweden	Qualitative	Interprofessional (including participants in leadership positions)	Psychiatric	Outpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Evaluation of process Evaluation of implementation outcomes Identify barriers and facilitators
Johnston et al. 2023, Australia	Qualitative	Interprofessional	Neurological (brain injury)	Regional /government	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice

Jolliffe et al. 2024, Australia	Qualitative	Interprofessional (including participants in leadership positions)	Several	Community	Behaviour Change wheel (BCW) Theoretical Domains Framework (TDF)	Implementation theory Determinant framework	Identify barriers and facilitations Identify IS strategies
Jones et al. 2021, Canada	Qualitative	Interprofessional	Neurological (brain injury)	Multiple	Active Implementation Frameworks (AIF)	Determinant framework	Identify barriers and facilitations Identify IS strategies
Kang et al. 2023, USA	Mixed methods	Multiperspective	Several	Community	Intervention Mapping (IM) Proctor's taxonomy of implementation outcomes	Process model Evaluation framework	Evaluation of implementation outcomes
Kang & Foster. 2022, USA	Qualitative	Multiperspective	Several	Community	Behaviour Change Taxonomy Consolidated Framework for Implementation Research (CFIR) Intervention Mapping (IM) Proctor's taxonomy of implementation outcomes	Implementation theory Determinant framework Process model Evaluation framework	Development of IS strategies Specify or describe process of implementation
Karlsson et al. 2023, Sweden	Qualitative	Interprofessional (including participants in leadership positions)	Psychiatric	Regional /government	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Evaluation of process Identify barriers and facilitators
Kelly et al. 2022, UK	Qualitative	Interprofessional	Paediatric	Outpatient	Plan-Do-Study-Act (PDSA)	Process model	Evaluation of implementation outcomes
Kengne Talla et al. 2023, Canada	Mixed methods	Other	Several	Research	Integrated Promoting Action on Research Implementation in Health Services (iPARiHS)	Determinant framework	Identify barriers and facilitators

Kettlewell et al. 2022, UK	Qualitative	Multiperspective	Other (traumatic injuries)	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Kim et al. 2021, South Korea	Qualitative	Multiperspective	Neurological (stroke)	Inpatient	Knowledge-to-Action (KTA)	Process model	Development or adaptation of intervention
Kingsnorth et al. 2020, Canada	Qualitative	Interprofessional (including participants in leadership positions)	Paediatric	Inpatient	Knowledge-to-Action (KTA)	Process model	Development or adaptation of recommendations or pathways or guidelines Evaluation of implementation outcomes Specify or describe process of implementation
Kristensen & Hounsgaard. 2013, Denmark	Qualitative	Interprofessional	Several	Regional /government	Integrated Promoting Action on Research Implementation in Health Services (iPARiHS)	Determinant framework	Guide implementation planning Identify barriers and facilitators
Lamper et al. 2022, Netherlands	Qualitative	Multiperspective	Other (chronic pain)	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Evaluation of implementation outcomes Identify barriers and facilitators
Levy et al. 2022, Australia	Mixed methods	Multiperspective	Neurological (stroke)	Inpatient	Proctor's taxonomy of implementation outcomes	Evaluation frameworks	Development or adaptation of intervention Evaluation of implementation outcomes Evaluation of intervention outcomes Identify IS strategies

Lundquist ym. 2021, Denmark	Qualitative	Interprofessional	Neurological (stroke)	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice Guide implementation planning Identify barriers and facilitators
Lynch et al. 2022, Australia	Mixed methods	Interprofessional	Neurological (stroke)	Regional /government	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice Identify barriers and facilitators
Mayo et al. 2023, Canada	Qualitative	Clients	Other (amputation)	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Guide implementation planning
Mc Sharry et al. 2016, Ireland	Mixed methods	Interprofessional	Cardiovascular	Outpatient	Behaviour Change wheel (BCW)	Implementation theory	Guide implementation planning
Mc Arthur et al. 2018, Canada	Qualitative	Interprofessional	Other (osteoporosis)	Multiple	Behaviour Change wheel (BCW)	Implementation theory	Identify barriers and facilitators Identify IS strategies Specify or describe process of implementation
Mc Ewen et al. 2019, Canada	Quantitative	Interprofessional	Neurological (stroke)	Inpatient	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes
Miao et al. 2023, Australia	Mixed methods	Multiperspective (including participants in leadership positions)	Neurological (brain injury)	Multiple	Nonadaptation, Abandonment, and Challenges to the Scale-up, Spread and Sustainability of Health and Care Technologies (NASSS) framework	Evaluation framework	Guide implementation planning Identify IS strategies
Moore et al. 2018, Norway	Quantitative	Interprofessional	Several	Multiple	Knowledge-to-Action (KTA)	Process model	Describe current practice Evaluation of implementation outcomes

Moore et al. 2022, Norway	Quantitative	One Profession	Neurological (stroke)	Inpatient	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes
Moore et al. 2021, Norway	Mixed methods	One Profession	Neurological (stroke)	Inpatient	Consolidated Framework for Implementation Research (CFIR) Knowledge-to-Action (KTA)	Determinant framework Process model	Evaluation of process Evaluation of implementation outcomes Identify barriers and facilitators Identify IS strategies Development or adaptation intervention Specify or describe process of implementation
Munce et al. 2017, Canada	Qualitative	Interprofessional (including participants in leadership positions)	Neurological (stroke)	Not reported	Clinical Practice Guidelines Framework for Improvement	Determinant framework	Identify barriers and facilitators
Nitsch et al. 2021, USA	Qualitative	Interprofessional	Neurological (spinal cord injury)	Inpatient	Knowledge-to-Action (KTA) CAN-IMPLEMENT Target-Action-Context-Time-Actor (TACT-A)	Process model Implementation theory	Development or adaptation of intervention Guide implementation planning Identify barriers and facilitators
Orava et al. 2019, Canada	Mixed methods	Interprofessional	Paediatric	Outpatient	Knowledge-to-Action (KTA)	Process model	Evaluation of process Evaluation of implementation outcomes Development or adaptation of intervention Identify barriers and facilitators
Pastva et al. 2021, USA	Mixed methods	Interprofessional	Neurological (stroke)	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice Evaluation of process

Patterson et al. 2024, Australia	Qualitative	Clients	Cardiovascular	Home-based	Capability, Opportunity, Motivation and Behaviour (COM-B) Theoretical Domains Framework (TDF)	Implementation theory Determinant framework	Identify barriers and facilitators
Pepin et al. 2024, USA	Mixed methods	One Profession	Other (low back pain)	Outpatient	Knowledge-to-Action (KTA)	Process model	Development of IS strategies Evaluation of implementation outcomes Specify or describe process of implementation
Perez et al. 2017, Canada	Mixed methods	Multiperspective	Neurological (stroke)	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Evaluation of process
Pittman et al. 2021, USA	Mixed methods	Interprofessional	Psychiatric	Multiple	Reach, Effectiveness, Adoption, Implementation, and Maintenance (RE-AIM)	Evaluation framework	Evaluation of process Evaluation of implementation outcomes Evaluation of intervention outcomes Identify barriers and facilitators
Rafferty et al. 2023, USA	Mixed methods	Multiperspective	Not reported	Inpatient	Consolidated Framework for Implementation Research (CFIR) Expert Recommendations for Implementation Change (ERIC) Implementation Research Logic Model Proctor's taxonomy of implementation outcomes	Determinant framework Implementation theory Evaluation framework	Evaluation of implementation outcomes

Rafferty et al. 2019, USA	Case report	Multiperspective	Neurological (movement disorders, including Parkinson's disease)	Outpatient	Consolidated Framework for Implementation Research (CFIR) Knowledge-to-Action (KTA) Reach, Effectiveness, Adoption, Implementation, and Maintenance (RE-AIM)	Determinant framework Process model Evaluation framework	Evaluation of implementation outcomes Evaluation of intervention outcomes Identify barriers and facilitators Identify IS strategies Specify or describe process of implementation
Rivard ym. 2015, Canada	Mixed methods	One Profession	Paediatric	Multiple	Knowledge-to-Action (KTA)	Process model	Development of IS strategies
Romney et al. 2022a, USA	Mixed methods	One Profession	Other (orthopedic)	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Evaluation of implementation outcomes Identify barriers and facilitators
Romney et al. 2022b, USA	Quantitative	Other	Several	Inpatient	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes
Romney et al. 2019, USA	Case report	One Profession	Several	Inpatient	Theoretical Domains Framework (TDF)	Determinant framework	Development of IS strategies Guide implementation planning Identify barriers and facilitators
Roos et al. 2021, Canada	Qualitative	Other	Other (occupational health issues)	Community	Consolidated Framework for Implementation Research (CFIR) Theoretical Domains Framework (TDF)	Determinant framework	Identify barriers and facilitators
Russell et al. 2010, Canada	Mixed methods	One Profession	Paediatric	Multiple	Knowledge-to-Action (KTA)	Process model	Describe current practice Evaluation of implementation outcomes Specify relationship between constructs or mechanism

Sabus & Spake 2016, USA	Qualitative	One Profession (including participants in leadership positions)	Several	Outpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Sakzewski et al. 2014, Australia	Qualitative	One Profession (including participants in leadership positions)	Paediatric	Multiple	Theoretical Domains Framework (TDF)	Determinant framework	Identify barriers and facilitators
Salbach et al. 2021, Canada	Qualitative	Interprofessional (including participants in leadership positions)	Neurological (stroke)	Multiple	Theoretical Domains Framework (TDF)	Determinant framework	Specify relationship between constructs or mechanism
Salbach et al. 2017, Canada	Quantitative	Multiperspective	Neurological (stroke)	Inpatient	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes Evaluation of intervention outcomes
Schell et al. 2020, Canada	Qualitative	Interprofessional	Paediatric	Multiple	Knowledge-to-Action (KTA)	Process model	Specify or describe process of implementation
Schliep et al. 2020, USA	Quantitative	One Profession	Aphasia	Inpatient	Quality Implementation Framework (QIF)	Process model	Evaluation of implementation outcomes Evaluation of intervention outcomes Specify or describe process of implementation
Schreiber et al. 2015, USA	Case report	One Profession	Paediatric	Outpatient	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes Specify or describe process of implementation

Schwarz et al. 2022, Australia	Qualitative	Interprofessional	Other (dysphagia)	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Shafer et al. 2023, USA	Qualitative	Multiperspective	Aphasia	Multiple	Knowledge-to-Action (KTA)	Process model	Identify barriers and facilitators
Sheppard et al. 2022, Canada	Qualitative	Multiperspective	Other (covid-19)	Inpatient	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Shrubsole 2021, Australia	Mixed methods	Interprofessional	Neurological (movement disorders, including Parkinson's disease)	Outpatient	Knowledge-to-Action (KTA)	Process model	Evaluation of implementation outcomes Identify barriers and facilitators Specify or describe process of implementation
Shrubsole et al. 2019, Australia	Qualitative	One Profession	Aphasia	Inpatient	Theoretical Domains Framework (TDF)	Determinant framework	Describe current practice Identify barriers and facilitators
Sibley & Salbach 2015, Canada	Case report	One Profession	Several	Not reported	Knowledge-to-Action (KTA)	Process model	Specify or describe process of implementation
Sohlberg et al. 2015, USA	Mixed methods	Other	Neurological (brain injury)	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Specify or describe process of implementation Development or adaptation of intervention
Song et al. 2018, Australia	Mixed methods	Clients	Several	Inpatient	Reach, Effectiveness, Adoption, Implementation, and Maintenance (RE-AIM)	Evaluation framework	Evaluation of implementation outcomes Evaluation of intervention outcomes

							Evaluation of process Identify barriers and facilitators
Stewart et al. 2020, Australia	Mixed methods	Interprofessional	Neurological (stroke)	Inpatient	Behaviour Change wheel (BCW)	Implementation theory	Development of IS strategies Identify barriers and facilitators
Stout et al. 2024, USA	Qualitative	Multiperspective (including participants in leadership positions)	Cancer	Outpatient	Consolidated Framework for Implementation Research (CFIR) Expert Recommendations for Implementation Change (ERIC)	Determinant framework	Identify barriers and facilitators Identify IS strategies
Stout et al. 2023, USA	Qualitative	Interprofessional	Cancer	Outpatient	Consolidated Framework for Implementation Research (CFIR) Expert Recommendations for Implementation Change (ERIC)	Determinant framework	Identify barriers and facilitators Evaluation of implementation outcomes
Tierney- Hendricks et al. 2022, USA	Quantitative	One Profession	Aphasia	Multiple	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice
Trebilcock et al. 2022, Australia	Qualitative	One Profession	Aphasia	Not reported	Behaviour Change wheel (BCW) Integrated Knowledge Translation (IKT)	Implementation theory Process model	Development of IS strategies
Trebilcock et al. 2024, Australia	Qualitative	One Profession	Aphasia	Multiple	Recommendations for the development, implementation, evaluation, and reporting of online KT resources	Evaluation framework	Evaluation of implementation outcomes

Trebilcock et al. 2023, Australia	Mixed methods	One Profession	Aphasia	Multiple	Theoretical Framework of Acceptability (TFA)	Evaluation framework	Evaluation of implementation outcomes Guide implementation planning
Van Der Veen et al. 2019, Netherlands	Qualitative	Interprofessional (including participants in leadership positions)	Neurological (stroke)	Home-based	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Describe current practice Identify barriers and facilitators
Van Grootven et al. 2022, Belgium	Mixed methods	Multiperspective	Geriatric	Inpatient	Grol's and Wensing's model	Process model	Evaluation of implementation outcomes Identify barriers and facilitators
Van Stan et al. 2023, USA	Qualitative	Interprofessional	Several	Multiple	Consolidated Framework for Implementation Research (CFIR) Expert Recommendations for Implementation Change (ERIC)	Determinant framework	Identify barriers and facilitators Identify IS strategies
Van Twillert et al. 2015, Netherlands	Qualitative	Multiperspective (including participants in leadership positions)	Other (amputation)	Multiple	Knowledge-to-Action (KTA)	Process model	Specify or describe process of implementation
Vinzenco et al. 2024, USA	Quantitative	Other	Geriatric	Outpatient	Reach, Effectiveness, Adoption, Implementation, and Maintenance (RE-AIM)	Evaluation framework	Evaluation of implementation outcomes Specify or describe process of implementation
Wakefield et al. 2019, USA	Mixed methods	Multiperspective (including participants in leadership positions)	Cardiovascular	Home-based	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators Specify relationship between constructs or mechanism

Walsh et al. 2022, USA	Qualitative	Other	Neurological (spinal cord injury)	Inpatient	Collaborative Intervention Planning Framework (CIPF)	Process model	Development or adaptation of intervention Guide Implementation planning
Wang et al. 2023, China	Qualitative	One Profession	Geriatric	Home-based	Consolidated Framework for Implementation Research (CFIR)	Determinant framework	Identify barriers and facilitators
Wintner et al. 2021, Austria	Qualitative	Multiperspective	Cancer	Inpatient	The replicating effective programmes framework (REP)	Process model	Specify or describe process of implementation
Wong et al. 2023, USA	Mixed methods	Multiperspective	Neurological (stroke)	Home-based	Behaviour Change Taxonomy Intervention mapping (IM)	Implementation theory Process model	Development or adaptation of intervention
Yang et al. 2021, Canada	Mixed methods	Multiperspective	Neurological (stroke)	Community	Reach, Effectiveness, Adoption, Implementation, and Maintenance (RE-AIM)	Evaluation framework	Evaluation of process Evaluation of implementation outcomes Evaluation of intervention outcomes
Yorke et al. 2021, USA	Mixed methods	Interprofessional	Neurological (movement disorders, including Parkinson's disease)	Outpatient	Knowledge-to-Action (KTA)	Process model	Development of IS strategy Evaluation of process Evaluation of implementation outcomes Evaluation of intervention outcomes
Young et al. 2018, Australia	Quantitative	One Profession	Aphasia	Multiple	Theoretical Domains Framework (TDF)	Determinant framework	Identify barriers and facilitators Specify relationship between constructs or mechanism

Appendix S3. References of the included studies (n = 121)

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