

Rehabilitation for chronic neurological disorders including acquired brain injury

Economic literature

NICE guideline NG252

Economic literature

October 2025

Final

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Economic literature search strategies

A single economic search was undertaken for all topics included in the scope of this guideline. Databases searched, and search strategies are summarised below.

Database: Ovid MEDLINE ALL

Date of last search: 29/09/2023

#	Searches
1	(CRANIOCEREBRAL TRAUMA/ or brain injuries/ or exp brain hemorrhage, traumatic/ or exp brain injuries, diffuse/ or exp brain injuries, traumatic/ or exp brain injury, chronic/ or Shaken Baby Syndrome/ or HYPOXIA, BRAIN/ or Brain Damage, Chronic/ or exp INTRACRANIAL HEMORRHAGE, TRAUMATIC/ or exp BRAIN NEOPLASMS/ or BRAIN DISEASES/ or BRAIN ABSCESS/ or BRAIN DISEASES, METABOLIC/ or CEREBELLAR DISEASES/ or cerebrovascular disorders/ or basal ganglia cerebrovascular disease/ or cerebrovascular trauma/ or intracranial arteriovenous malformations/ or "intracranial embolism and thrombosis"/ or intracranial hemorrhages/ or vascular headaches/ or exp ENCEPHALITIS/ or exp HYDROCEPHALUS/) not (exp STROKE/ or dementia/)
2	((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumor* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*)).ti,ab.
3	(chronic* adj1 trauma* adj2 encephalopath*).ti,ab.
4	((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor* or carcinom* or adenocarcinom*)).ti,ab.
5	(brain* adj2 abscess*).ti,ab.
6	(carotid arter* adj2 (disease* or injur*)).ti,ab.
7	("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*").ti,ab.
8	exp STROKE/ and (ADOLESCENT/ or MINORS/ or exp CHILD/ or exp INFANT/ or exp PEDIATRICS/ or exp PUBERTY/)
9	(stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*")).ti,ab.
10	exp SPINAL CORD INJURIES/ or exp SPINAL CORD NEOPLASMS/ or EPIDURAL ABSCESS/ or SPINAL CORD DISEASES/ or exp SPINAL CORD VASCULAR DISEASES/ or SPINAL CORD COMPRESSION/ or MYELITIS, TRANSVERSE/
11	((spinal* or spine?) adj2 (injur* or trauma* or tumor* or neoplasm* or cancer* or infect* or insult* or disease? or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).ti,ab.
12	(Central cord syndrome* or transverse myelitis).ti,ab.
13	(epidural* adj2 (neoplasm* or cancer* or tumor* or abscess*)).ti,ab.
14	((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).ti,ab.
15	PERIPHERAL NERVE INJURIES/ or exp CRANIAL NERVE INJURIES/ or PERIPHERAL NERVOUS SYSTEM NEOPLASMS/ or exp CRANIAL NERVE NEOPLASMS/ or exp PERIPHERAL NERVOUS SYSTEM DISEASES/ or exp CRANIAL NERVE DISEASES/
16	((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome*)).ti,ab.
17	(Guillain* adj1 Barr*).ti,ab.
18	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*).ti,ab.
19	(optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor*)).ti,ab.
20	(brachial plexus adj1 (neuropath* or neuritis)).ti,ab.
21	(complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*).ti,ab.
22	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*).ti,ab.
23	((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*).ti,ab.

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#	Searches
24	(pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).ti,ab.
25	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*).ti,ab.
26	(periph* adj2 neuropath*).ti,ab.
27	((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus).ti,ab.
28	((multi-focal* or multifocal*) adj2 motor adj1 neuropath*).ti,ab.
29	((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*).ti,ab.
30	exp MOTOR NEURON DISEASE/ or POSTPOLIOMYELITIS SYNDROME/ or exp PARKINSONIAN DISORDERS/ or MUSCULAR DYSTROPHY, DUCHENNE/ or exp MULTIPLE SCLEROSIS/ or NEUROMUSCULAR DISEASES/ or SPASTIC PARAPLEGIA, HEREDITARY/ or FRIEDREICH ATAXIA/ or exp MULTIPLE SYSTEM ATROPHY/ or SUPRANUCLEAR PALSY, PROGRESSIVE/ or CORTICOBASAL DEGENERATION/ or LEUKODYSTROPHY, METACHROMATIC/ or exp MITOCHONDRIAL MYOPATHIES/ or exp MUCOPOLYSACCHARIDOSES/ or WILLIAMS SYNDROME/ or GENETIC DISEASES, INBORN/ or RETT SYNDROME/ or FETAL ALCOHOL SPECTRUM DISORDERS/ or DYSTONIC DISORDERS/ or "HEREDITARY SENSORY AND MOTOR NEUROPATHY"/ or SPINAL DYSRAPHISM/
31	(neurolog* adj1 (condition* or disease* or damage* or disorder* or impair*).ti,ab.
32	((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.
33	((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.
34	(bulbar adj1 pals*).ti,ab.
35	((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.
36	(progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.
37	((postpolio* or post-polio*) adj1 syndrome?).ti,ab.
38	(Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or kløver-bucy).ti,ab.
39	(muscular adj1 dystroph*).ti,ab.
40	(neuromusc* adj1 (disease* or disorder?).ti,ab.
41	(heredit* adj1 spastic* adj1 parapleg*).ti,ab.
42	"friedreich* ataxia*".ti,ab.
43	((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.
44	(shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.
45	(progressive adj1 supranuclear adj1 pals*).ti,ab.
46	(richardson* adj1 (disease? or syndrome?).ti,ab.
47	((corticobasal or cortico basal) adj1 degenerat*).ti,ab.
48	(white adj1 matter adj1 disorder?).ti,ab.
49	(metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.
50	(lysosomal adj1 storage adj1 disorder?).ti,ab.
51	((genetic or William* or catch-22 or rett* or congenital or f?etal alcohol) adj1 (syndrome or disorder*).ti,ab.
52	(perinatal illness* or perinatal hypoxia*).ti,ab.
53	(primary adj1 dystonia?).ti,ab.
54	(heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.
55	(spina bifida? or spinal dysraphism?).ti,ab.
56	MOVEMENT DISORDERS/ or MOTOR DISORDERS/ or CONVERSION DISORDER/
57	((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*).ti,ab.
58	((movement* or motor* or convers*) adj1 (disorder* or dysfunct*).ti,ab.
59	((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*).ti,ab.
60	(pseudo-seizure* or pseudoseizure*).ti,ab.
61	(medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.
62	or/1-61
63	exp REHABILITATION/
64	rh.fs.
65	(rehab* or telerehab* or neurorehab*).ti,ab.

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#	Searches
66	exp *THERAPEUTICS/
67	th.fs.
68	therap*.ti.
69	therap*.ab. /freq=2
70	or/63-69
71	62 and 70
72	limit 71 to english language
73	limit 72 to yr="2013 -Current"
74	letter/
75	editorial/
76	news/
77	exp historical article/
78	Anecdotes as topic/
79	comment/
80	case reports/
81	(letter or comment*).ti.
82	or/74-81
83	randomized controlled trial/ or random*.ti,ab.
84	82 not 83
85	animals/ not humans/
86	exp Animals, Laboratory/
87	exp Animal Experimentation/
88	exp Models, Animal/
89	exp Rodentia/
90	(rat or rats or rodent* or mouse or mice).ti.
91	or/84-90
92	73 not 91
93	Economics/
94	"costs and cost analysis"/
95	Cost allocation/
96	Cost-benefit analysis/
97	Cost control/
98	Cost savings/
99	Cost of illness/
100	Cost sharing/
101	"deductibles and coinsurance"/
102	Medical savings accounts/
103	Health care costs/
104	Direct service costs/
105	Drug costs/
106	Employer health costs/
107	Hospital costs/
108	Health expenditures/
109	Capital expenditures/
110	Value of life/
111	exp economics, hospital/
112	exp economics, medical/
113	Economics, nursing/
114	Economics, pharmaceutical/
115	exp "fees and charges"/
116	exp budgets/
117	(low adj cost).mp.

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#	Searches
118	(high adj cost).mp.
119	(health?care adj cost\$).mp.
120	(fiscal or funding or financial or finance).tw.
121	(cost adj estimate\$).mp.
122	(cost adj variable).mp.
123	(unit adj cost\$).mp.
124	(economic\$ or pharmacoeconomic\$ or price\$ or pricing).tw.
125	or/93-124
126	92 and 125

Database: Embase

Date of last search: 29/09/2023

#	Searches
1	(head injury/ or exp brain injury/ or chronic brain disease/ or brain hemorrhage/ or brain hypoxia/ or exp brain tumor/ or brain disease/ or brain abscess/ or metabolic encephalopathy/ or cerebellum disease/ or exp cerebrovascular disease/ or encephalitis/ or hydrocephalus/) not (exp cerebrovascular accident/ or dementia/)
2	((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumor?r* or insult* or impair* or ischemi* or infarcti* or hypoxi* or drown*))ti,ab.
3	(chronic* adj1 trauma* adj2 encephalopath*).ti,ab.
4	((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor?r* or carcinom* or adenocarcinom*)).ti,ab.
5	(brain* adj2 abscess*).ti,ab.
6	(carotid arter* adj2 (disease* or injur*)).ti,ab.
7	("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome").ti,ab.
8	exp cerebrovascular accident/ and (adolescent/ or "minor (person)"/ or exp child/ or exp infant/ or pediatrics/ or exp pediatrics/ or exp puberty/)
9	(stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*")).ti,ab.
10	exp spinal cord injury/ or exp spinal cord tumor/ or epidural abscess/ or spinal cord disease/ or exp spinal cord vascular disease/ or spinal cord compression/ or transverse myelitis/
11	((spinal* or spine?) adj2 (injur* or trauma* or tumor?r* or neoplasm* or cancer* or infect* or insult* or disease? or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).ti,ab.
12	(Central cord syndrome* or transverse myelitis).ti,ab.
13	(epidural* adj2 (neoplasm* or cancer* or tumor?r* or abscess*)).ti,ab.
14	((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).ti,ab.
15	peripheral nerve injury/ or exp cranial nerve injury/ or peripheral nerve tumor/ or exp cranial nerve tumor/ or exp peripheral neuropathy/ or exp cranial neuropathy/
16	((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor?r* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome?)).ti,ab.
17	(Guillain* adj1 Barr*).ti,ab.
18	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*).ti,ab.
19	(optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor?r*)).ti,ab.
20	(brachial plexus adj1 (neuropath* or neuritis)).ti,ab.
21	(complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*).ti,ab.

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#	Searches
22	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*).ti,ab.
23	((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*).ti,ab.
24	(pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).ti,ab.
25	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*).ti,ab.
26	(periph* adj2 neuropath*).ti,ab.
27	((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus).ti,ab.
28	((multi-focal* or multifocal*) adj2 motor adj1 neuropath*).ti,ab.
29	((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*).ti,ab.
30	exp motor neuron disease/ or postpoliomyelitis syndrome/ or exp parkinsonism/ or Duchenne muscular dystrophy/ or exp multiple sclerosis/ or neuromuscular disease/ or hereditary motor sensory neuropathy/ or Friedreich ataxia/ or exp Shy Drager syndrome/ or progressive supranuclear palsy/ or corticobasal degeneration/ or metachromatic leukodystrophy/ or exp mitochondrial myopathy/ or exp mucopolysaccharidosis/ or Williams Beuren syndrome/ or genetic disorder/ or Rett syndrome/ or fetal alcohol syndrome/ or dystonic disorder/ or hereditary motor sensory neuropathy/ or spinal dysraphism/
31	(neurolog* adj1 (condition* or disease* or damage* or disorder* or impair*).ti,ab.
32	((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.
33	((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.
34	(bulbar adj1 pals*).ti,ab.
35	((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.
36	(progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.
37	((postpolio* or post-polio*) adj1 syndrome?).ti,ab.
38	(Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or klüber-bucy).ti,ab.
39	(muscular adj1 dystroph*).ti,ab.
40	(neuromusc* adj1 (disease* or disorder?)).ti,ab.
41	(heredit* adj1 spastic* adj1 parapleg*).ti,ab.
42	"friedreich* ataxia*".ti,ab.
43	((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.
44	(shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.
45	(progressive adj1 supranuclear adj1 pals*).ti,ab.
46	(richardson* adj1 (disease? or syndrome?)).ti,ab.
47	((corticobasal or cortico basal) adj1 degenerat*).ti,ab.
48	(white adj1 matter adj1 disorder?).ti,ab.
49	(metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.
50	(lysosomal adj1 storage adj1 disorder?).ti,ab.
51	((genetic or William* or catch-22 or rett* or congenital or f?etal alcohol) adj1 (syndrome or disorder?)).ti,ab.
52	(perinatal illness* or perinatal hypoxia*).ti,ab.
53	(primary adj1 dystonia?).ti,ab.
54	(heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.
55	(spina bifida? or spinal dysraphism?).ti,ab.
56	motor dysfunction/ or motor dysfunction/ or conversion disorder/
57	((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*).ti,ab.
58	((movement* or motor* or convers*) adj1 (disorder* or dysfunct*).ti,ab.
59	((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*).ti,ab.
60	(pseudo-seizure* or pseudoseizure*).ti,ab.
61	(medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.
62	or/1-61
63	exp REHABILITATION/
64	rh.fs.
65	(rehab* or neurorehab* or telerehab*).ti,ab.

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#	Searches
66	exp *THERAPY/
67	th.fs.
68	therap*.ti.
69	therap*.ab. /freq=2
70	or/63-69
71	62 and 70
72	limit 71 to english language
73	limit 72 to yr="2013 -Current"
74	letter.pt. or letter/
75	note.pt.
76	editorial.pt.
77	case report/ or case study/
78	(letter or comment*).ti.
79	or/74-78
80	randomized controlled trial/ or random*.ti,ab.
81	79 not 80
82	animal/ not human/
83	nonhuman/
84	exp Animal Experiment/
85	exp Experimental Animal/
86	animal model/
87	exp Rodent/
88	(rat or rats or rodent* or mouse or mice).ti.
89	or/81-88
90	73 not 89
91	Socioeconomics/
92	Cost benefit analysis/
93	Cost effectiveness analysis/
94	Cost of illness/
95	Cost control/
96	Economic aspect/
97	Financial management/
98	Health care cost/
99	Health care financing/
100	Health economics/
101	Hospital cost/
102	(fiscal or financial or finance or funding).tw.
103	Cost minimization analysis/
104	(cost adj estimate\$).mp.
105	(cost adj variable\$).mp.
106	(unit adj cost\$).mp.
107	or/91-106
108	90 and 107

Database: Cochrane Central Register of Controlled Trials (CENTRAL)

Date of last search: 29/09/2023

#	Searches
#1	MeSH descriptor: [Craniocerebral Trauma] this term only

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#	Searches
#2	MeSH descriptor: [Brain Injuries] this term only
#3	MeSH descriptor: [Brain Hemorrhage, Traumatic] explode all trees
#4	MeSH descriptor: [Brain Injuries, Diffuse] explode all trees
#5	MeSH descriptor: [Brain Injuries, Traumatic] explode all trees
#6	MeSH descriptor: [Brain Injury, Chronic] explode all trees
#7	MeSH descriptor: [Shaken Baby Syndrome] this term only
#8	MeSH descriptor: [Brain Damage, Chronic] this term only
#9	MeSH descriptor: [Hypoxia, Brain] this term only
#10	MeSH descriptor: [Intracranial Hemorrhage, Traumatic] explode all trees
#11	MeSH descriptor: [Brain Neoplasms] explode all trees
#12	MeSH descriptor: [Brain Diseases] this term only
#13	MeSH descriptor: [Brain Abscess] this term only
#14	MeSH descriptor: [Brain Diseases, Metabolic] this term only
#15	MeSH descriptor: [Cerebellar Diseases] this term only
#16	MeSH descriptor: [Cerebrovascular Disorders] this term only
#17	MeSH descriptor: [Basal Ganglia Cerebrovascular Disease] this term only
#18	MeSH descriptor: [Cerebrovascular Trauma] this term only
#19	MeSH descriptor: [Intracranial Arteriovenous Malformations] this term only
#20	MeSH descriptor: [Intracranial Embolism and Thrombosis] this term only
#21	MeSH descriptor: [Intracranial Hemorrhages] this term only
#22	MeSH descriptor: [Vascular Headaches] this term only
#23	MeSH descriptor: [Encephalitis] this term only
#24	MeSH descriptor: [Hydrocephalus] this term only
#25	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24
#26	MeSH descriptor: [Stroke] explode all trees
#27	MeSH descriptor: [Dementia] this term only
#28	#26 or #27
#29	#25 NOT #28
#30	((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) NEAR/2 (injur* or trauma* or damage* or disease* or diseases* or disorder* or infect* or hemorrhag* or haemorrhag* or neoplasm* or cancer* or tumour* or tumor* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*)):ti,ab
#31	(chronic* NEAR/1 trauma* NEAR/2 encephalopath*):ti,ab
#32	((infratentorial* or supratentorial* or hypothalam* or pituitar* or "choroid plexus") NEAR/2 (neoplasm* or cancer* or tumour* or tumor* or carcinom* or adenocarcinom*)):ti,ab
#33	(brain* NEAR/2 abscess*):ti,ab
#34	(carotid arter* NEAR/2 (disease* or injur*)):ti,ab
#35	((("basal ganglia" next disease*) or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cerebellar" next degenerat* or "shaken baby" next syndrome* or "shaking baby" next syndrome*)):ti,ab
#36	MeSH descriptor: [Stroke] explode all trees
#37	MeSH descriptor: [Adolescent] this term only
#38	MeSH descriptor: [Minors] this term only
#39	MeSH descriptor: [Child] explode all trees
#40	MeSH descriptor: [Infant] explode all trees
#41	MeSH descriptor: [Pediatrics] explode all trees
#42	MeSH descriptor: [Puberty] explode all trees
#43	#37 or #38 or #39 or #40 or #41 or #42
#44	#36 and #43
#45	((stroke or strokes) NEAR/3 (paediatric* or pediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or "under age" or "under ages" or "under aged" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school ages" or "school age" or "school aged" or schoolage* or "under 16" or "under sixteen" or "under sixteens")):ti,ab

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#	Searches
#46	MeSH descriptor: [Spinal Cord Injuries] explode all trees
#47	MeSH descriptor: [Spinal Cord Neoplasms] explode all trees
#48	MeSH descriptor: [Epidural Abscess] this term only
#49	MeSH descriptor: [Spinal Cord Diseases] this term only
#50	MeSH descriptor: [Spinal Cord Vascular Diseases] explode all trees
#51	MeSH descriptor: [Spinal Cord Compression] this term only
#52	MeSH descriptor: [Myelitis, Transverse] this term only
#53	((spinal* or spine or spines) NEAR/2 (injur* or trauma* or tumour* or tumor* or neoplasm* or cancer* or infect* or insult* or disease or diseases or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or hemorrhag* or haemorrhag*)):ti,ab
#54	("Central cord" next syndrome* or "transverse myelitis"):ti,ab
#55	(epidural* NEAR/2 (neoplasm* or cancer* or tumour* or tumor* or abscess*)):ti,ab
#56	((spinal* or spine or spines) NEAR/2 (viral* or virus* or polio* or "acquired immunodeficiency syndrome" or AIDS or HIV or bacterial* or neurosyphili* or neuro next syphili* or tubercul*)):ti,ab
#57	MeSH descriptor: [Peripheral Nerve Injuries] this term only
#58	MeSH descriptor: [Cranial Nerve Injuries] explode all trees
#59	MeSH descriptor: [Peripheral Nervous System Neoplasms] this term only
#60	MeSH descriptor: [Cranial Nerve Neoplasms] explode all trees
#61	MeSH descriptor: [Peripheral Nervous System Diseases] explode all trees
#62	MeSH descriptor: [Cranial Nerve Diseases] explode all trees
#63	((periph* or cranial*) NEAR/1 (nerve or nerves or "nervous system") NEAR/2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumour* or tumor* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome*)):ti,ab
#64	(Guillain* NEAR/1 Barr*):ti,ab
#65	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or "ocular motility" or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) NEAR/1 nerve* NEAR/1 injur*):ti,ab
#66	(optic* NEAR/1 nerve* NEAR/2 (neoplasm* or cancer* or tumour* or tumor*)):ti,ab
#67	(brachial next plexus NEAR/1 (neuropath* or neuritis)):ti,ab
#68	("complex regional pain" next syndrome* or causalgia or mononeuropath* or "nerve compression" next syndrome*):ti,ab
#69	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) NEAR/1 neuropath*):ti,ab
#70	((carpal next tunnel or piriformis next muscle or tarsal next tunnel or thoracic next outlet) NEAR/1 syndrome*):ti,ab
#71	((pudendal next neuralgia) or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*):ti,ab
#72	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or "ocular motility" or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) NEAR/1 nerve* NEAR/1 disease*):ti,ab
#73	(periph* NEAR/2 neuropath*):ti,ab
#74	((((periph* or cranial*) NEAR/2 (nerve or nerves or "nervous system")) and lupus):ti,ab
#75	((multi next focal* or multifocal*) NEAR/2 motor NEAR/1 neuropath*):ti,ab
#76	((((periph* or cranial*) NEAR/2 (nerve or nerves or nervous system)) and alcohol*):ti,ab
#77	#29 or #30 or #31 or #32 or #33 or #34 or #35 or #44 or #45 or #46 or #47 or #48 or #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 or #60 or #61 or #62 or #63 or #64 or #65 or #66 or #67 or #68 or #69 or #70 or #71 or #72 or #73 or #74 or #75 or #76
#78	MeSH descriptor: [Motor Neuron Disease] explode all trees
#79	MeSH descriptor: [Postpoliomyelitis Syndrome] this term only
#80	MeSH descriptor: [Parkinsonian Disorders] explode all trees
#81	MeSH descriptor: [Muscular Dystrophy, Duchenne] this term only
#82	MeSH descriptor: [Multiple Sclerosis] explode all trees
#83	MeSH descriptor: [Neuromuscular Diseases] this term only
#84	MeSH descriptor: [Spastic Paraplegia, Hereditary] this term only
#85	MeSH descriptor: [Friedreich Ataxia] this term only
#86	MeSH descriptor: [Multiple System Atrophy] explode all trees
#87	MeSH descriptor: [Supranuclear Palsy, Progressive] this term only

#	Searches
#88	MeSH descriptor: [Corticobasal Degeneration] explode all trees
#89	MeSH descriptor: [Leukodystrophy, Metachromatic] this term only
#90	MeSH descriptor: [Mitochondrial Myopathies] explode all trees
#91	MeSH descriptor: [Mucopolysaccharidoses] explode all trees
#92	MeSH descriptor: [Williams Syndrome] this term only
#93	MeSH descriptor: [Genetic Diseases, Inborn] this term only
#94	MeSH descriptor: [Rett Syndrome] this term only
#95	MeSH descriptor: [Fetal Alcohol Spectrum Disorders] this term only
#96	MeSH descriptor: [Dystonic Disorders] this term only
#97	MeSH descriptor: [Hereditary Sensory and Motor Neuropathy] this term only
#98	MeSH descriptor: [Spinal Dysraphism] this term only
#99	(neurolog* NEAR/1 (condition* or disease* or damage* or disorder* or impair*)):ti,ab
#100	((motor next neuron* or gehrig* or charcott* or kennedy*) NEAR/1 disease*):ti,ab
#101	((amyotroph* or primary) NEAR/1 lateral* NEAR/1 sclero*):ti,ab
#102	(bulbar NEAR/1 pals*):ti,ab
#103	((muscular or muscle* or bulbo) NEAR/1 atroph* NEAR/1 spin*):ti,ab
#104	(progressiv* NEAR/1 (muscular or muscle*) NEAR/1 atroph*):ti,ab
#105	((postpolio* or post next polio*) NEAR/1 (syndrome*)):ti,ab
#106	(Parkinson* or duchenne* or multiple next scleros* or sclerosos* or aphasia or creutzfeldt next jakob or huntington* or kløver next bucy):ti,ab
#107	(muscular NEAR/1 dystroph*):ti,ab
#108	((neurolog*) near/1 (condition* or disease* or damage* or disorder* or impair*)):ti,ab
#109	(heredit* NEAR/1 spastic* NEAR/1 parapleg*):ti,ab
#110	(friedreich* next ataxia*):ti,ab
#111	((("multiple system" or olivopontocerebellar) NEAR/1 atroph*):ti,ab
#112	((shy next drager next syndrome*) or striatonigral next degenerat* or batten next disease*):ti,ab
#113	(progressive NEAR/1 supranuclear NEAR/1 pals*):ti,ab
#114	(richardson* NEAR/1 (disease* or syndrome*)):ti,ab
#115	((corticobasal or "cortico basal") NEAR/1 degenerat*):ti,ab
#116	("white matter" NEAR/1 (disorder*)):ti,ab
#117	(metachromatic next leukodystroph* or mitochondrial next myopath* or mucopolysaccharidos*):ti,ab
#118	(lysosomal NEAR/1 storage NEAR/1 disorder*):ti,ab
#119	((genetic or William* or "catch-22" or rett* or congenital or fetal or "foetal alcohol") NEAR/1 (syndrome* or disorder*)):ti,ab
#120	(perinatal NEAR/1 (illness* or hypoxia*)):ti,ab
#121	(primary NEAR/1 (dystonia or dystonias)):ti,ab
#122	(heredit* NEAR/1 motor* NEAR/1 sens* NEAR/1 neuropath*):ti,ab
#123	(spina next (bifida or bifidas) or spinal next (dysraphism or dysraphisms)):ti,ab
#124	MeSH descriptor: [Movement Disorders] this term only
#125	MeSH descriptor: [Motor Disorders] this term only
#126	MeSH descriptor: [Conversion Disorder] this term only
#127	((functional* or psychogenic* or dissociative*) NEAR/1 neurologic* NEAR/1 (disorder* or dysfunction* or difficult*)):ti,ab
#128	((movement* or motor* or convers*) NEAR/1 (disorder* or dysfunct*)):ti,ab
#129	((psychogenic or dissociative or non-epilep* or nonepilep*) NEAR/1 (seizure* or convulsion* or fit or fits or spasm* or attack*)):ti,ab
#130	(pseudo next seizure or pseudoseizure):ti,ab
#131	(medical* NEAR/1 (unexplain* or un next explain*) NEAR/1 (symptom*)):ti,ab
#132	#77 or #78 or #79 or #80 or #81 or #82 or #83 or #84 or #85 or #86 or #87 or #88 or #89 or #90 or #91 or #92 or #93 or #94 or #95 or #96 or #97 or #98 or #99 or #100 or #101 or #102 or #103 or #104 or #105 or #106 or #107 or #108 or #109 or #110 or #111 or #112 or #113 or #114 or #115 or #116 or #117 or #118 or #119 or #120 or #121 or #122 or #123 or #124 or #125 or #126 or #127 or #128 or #129 or #130 or #131
#133	MeSH descriptor: [Rehabilitation] explode all trees

#	Searches
#134	MeSH descriptor: [] explode all trees and with qualifier(s): [rehabilitation - RH]
#135	(rehab* or neurorehab* or telerehab*):ti,ab
#136	MeSH descriptor: [Therapeutics] explode all trees
#137	MeSH descriptor: [] explode all trees and with qualifier(s): [therapy - TH]
#138	therap*:ti,ab
#139	#133 or #134 or #135 or #136 or #137 or #138
#140	#132 and #139
#141	MeSH descriptor: [Economics] this term only
#142	MeSH descriptor: [Costs and Cost Analysis] this term only
#143	MeSH descriptor: [Cost Allocation] this term only
#144	MeSH descriptor: [Cost-Benefit Analysis] this term only
#145	MeSH descriptor: [Cost Control] this term only
#146	MeSH descriptor: [Cost Savings] this term only
#147	MeSH descriptor: [Cost of Illness] this term only
#148	MeSH descriptor: [Cost Sharing] this term only
#149	MeSH descriptor: [Deductibles and Coinsurance] this term only
#150	MeSH descriptor: [Medical Savings Accounts] this term only
#151	MeSH descriptor: [Health Care Costs] this term only
#152	MeSH descriptor: [Direct Service Costs] explode all trees
#153	MeSH descriptor: [Drug Costs] this term only
#154	MeSH descriptor: [Employer Health Costs] this term only
#155	MeSH descriptor: [Hospital Costs] this term only
#156	MeSH descriptor: [Health Expenditures] this term only
#157	MeSH descriptor: [Capital Expenditures] this term only
#158	MeSH descriptor: [Value of Life] this term only
#159	MeSH descriptor: [Economics, Hospital] explode all trees
#160	MeSH descriptor: [Economics, Medical] explode all trees
#161	MeSH descriptor: [Economics, Nursing] this term only
#162	MeSH descriptor: [Economics, Pharmaceutical] this term only
#163	MeSH descriptor: [Fees and Charges] explode all trees
#164	MeSH descriptor: [Budgets] explode all trees
#165	(low near/1 cost):ti,ab
#166	(high near/1 cost):ti,ab
#167	((healthcare or "health care") near/1 cost*):ti,ab
#168	(fiscal or funding or financial or finance):ti,ab
#169	(cost near/1 estimate*):ti,ab
#170	(cost near/1 variable):ti,ab
#171	(unit near/1 cost*):ti,ab
#172	(economic* or pharmacoeconomic* or price* or pricing):ti,ab
#173	#141 or #142 or #143 or #144 or #145 or #146 or #147 or #148 or #149 or #150 or #151 or #152 or #153 or #154 or #155 or #156 or #157 or #158 or #159 or #160 or #161 or #162 or #163 or #164 or #165 or #166 or #167 or #168 or #169 or #170 or #171 or #172
#174	#140 and #173
#175	#140 and #173 with Publication Year from 2013 to 2023, in Trials

Database: INAHTA International HTA Database

Date of last search: 29/09/2023

#	Searches
1	"Rehabilitation"[mhe] FROM 2013 TO 2023

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#	Searches
2	(rehab or rehabilitate or rehabilitation or rehabilitating or neurorehab or neurorehabilitation or telerehab or telerehabilitation)[Title] FROM 2013 TO 2023
3	(rehab or rehabilitate or rehabilitation or rehabilitating or neurorehab or neurorehabilitation or telerehab or telerehabilitation)[abs] FROM 2013 TO 2023
4	("Therapeutics"[mh]) FROM 2013 TO 2023
5	(therapy or therapies or therapeutic or therapeutics)[Title] FROM 2013 TO 2023
6	1 OR 2 OR 3 OR 4 OR 5

Database: NHSEED NHS Economic Evaluation Database

Date of last search: 29/09/2023

#	Searches
1	MeSH DESCRIPTOR rehabilitation EXPLODE ALL TREES IN NHSEED FROM 2013 TO 2023
2	(rehab* or neurorehab* or telerehab*) IN NHSEED FROM 2013 TO 2023
3	MeSH DESCRIPTOR therapeutics EXPLODE ALL TREES IN NHSEED FROM 2013 to 2023
4	(therap*):TI IN NHSEED FROM 2013 TO 2023
5	#1 OR #2 OR #3 OR #4

An update search was run for the following question:

- [G] What is the effectiveness of interventions and approaches for improving and maintaining cognitive function?

Database: Ovid MEDLINE ALL

Date of last search: 20/07/2024

#	Searches
1	(CRANIOCEREBRAL TRAUMA/ or brain injuries/ or exp brain hemorrhage, traumatic/ or exp brain injuries, diffuse/ or exp brain injuries, traumatic/ or exp brain injury, chronic/ or Shaken Baby Syndrome/ or HYPOXIA, BRAIN/ or Brain Damage, Chronic/ or exp INTRACRANIAL HEMORRHAGE, TRAUMATIC/ or exp BRAIN NEOPLASMS/ or BRAIN DISEASES/ or BRAIN ABSCESS/ or BRAIN DISEASES, METABOLIC/ or CEREBELLAR DISEASES/ or cerebrovascular disorders/ or basal ganglia cerebrovascular disease/ or cerebrovascular trauma/ or intracranial arteriovenous malformations/ or "intracranial embolism and thrombosis"/ or intracranial hemorrhages/ or vascular headaches/ or exp ENCEPHALITIS/ or exp HYDROCEPHALUS/) not (exp STROKE/ or dementia/)
2	((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumor* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*))ti,ab.
3	(chronic* adj1 trauma* adj2 encephalopath*)ti,ab.
4	((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor* or carcinom* or adenocarcinom*))ti,ab.
5	(brain* adj2 abscess*)ti,ab.
6	(carotid arter* adj2 (disease* or injur*))ti,ab.
7	("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*")ti,ab.
8	exp STROKE/ and (ADOLESCENT/ or MINORS/ or exp CHILD/ or exp INFANT/ or exp PEDIATRICS/ or exp PUBERTY/)
9	(stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or

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#	Searches
	boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*").ti,ab.
10	exp SPINAL CORD INJURIES/ or exp SPINAL CORD NEOPLASMS/ or EPIDURAL ABSCESS/ or SPINAL CORD DISEASES/ or exp SPINAL CORD VASCULAR DISEASES/ or SPINAL CORD COMPRESSION/ or MYELITIS, TRANSVERSE/
11	((spinal* or spine?) adj2 (injur* or trauma* or tumor* or neoplasm* or cancer* or infect* or insult* or disease* or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).ti,ab.
12	(Central cord syndrome* or transverse myelitis).ti,ab.
13	(epidural* adj2 (neoplasm* or cancer* or tumor* or abscess*)).ti,ab.
14	((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).ti,ab.
15	PERIPHERAL NERVE INJURIES/ or exp CRANIAL NERVE INJURIES/ or PERIPHERAL NERVOUS SYSTEM NEOPLASMS/ or exp CRANIAL NERVE NEOPLASMS/ or exp PERIPHERAL NERVOUS SYSTEM DISEASES/ or exp CRANIAL NERVE DISEASES/
16	((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome?)).ti,ab.
17	(Guillain* adj1 Barr*).ti,ab.
18	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*).ti,ab.
19	(optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor*)).ti,ab.
20	(brachial plexus adj1 (neuropath* or neuritis)).ti,ab.
21	(complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*).ti,ab.
22	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*).ti,ab.
23	((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*).ti,ab.
24	(pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).ti,ab.
25	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*).ti,ab.
26	(periph* adj2 neuropath*).ti,ab.
27	((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus).ti,ab.
28	((multi-focal* or multifocal*) adj2 motor adj1 neuropath*).ti,ab.
29	((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*).ti,ab.
30	exp MOTOR NEURON DISEASE/ or POSTPOLIOMYELITIS SYNDROME/ or exp PARKINSONIAN DISORDERS/ or MUSCULAR DYSTROPHY, DUCHENNE/ or exp MULTIPLE SCLEROSIS/ or NEUROMUSCULAR DISEASES/ or SPASTIC PARAPLEGIA, HEREDITARY/ or FRIEDREICH ATAXIA/ or exp MULTIPLE SYSTEM ATROPHY/ or SUPRANUCLEAR PALSY, PROGRESSIVE/ or CORTICOBASAL DEGENERATION/ or LEUKODYSTROPHY, METACHROMATIC/ or exp MITOCHONDRIAL MYOPATHIES/ or exp MUCOPOLYSACCHARIDOSSES/ or WILLIAMS SYNDROME/ or GENETIC DISEASES, INBORN/ or RETT SYNDROME/ or FETAL ALCOHOL SPECTRUM DISORDERS/ or DYSTONIC DISORDERS/ or "HEREDITARY SENSORY AND MOTOR NEUROPATHY"/ or SPINAL DYSRAPHISM/
31	(neurolog* adj1 (disease* or damage* or disorder* or impair*)).ti,ab.
32	((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.
33	((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.
34	(bulbar adj1 pals*).ti,ab.
35	((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.
36	(progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.
37	((postpolio* or post-polio*) adj1 syndrome?).ti,ab.
38	(Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or kløver-bucy).ti,ab.
39	(muscular adj1 dystroph*).ti,ab.
40	(neuromusc* adj1 (disease* or disorder?)).ti,ab.
41	(heredit* adj1 spastic* adj1 parapleg*).ti,ab.
42	"friedreich* ataxia*".ti,ab.
43	((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.
44	(shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.

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#	Searches
45	(progressive adj1 supranuclear adj1 pals*).ti,ab.
46	(richardson* adj1 (disease? or syndrome?)).ti,ab.
47	((corticobasal or cortico basal) adj1 degenerat*).ti,ab.
48	(white adj1 matter adj1 disorder?).ti,ab.
49	(metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.
50	(lysosomal adj1 storage adj1 disorder?).ti,ab.
51	((genetic or William* or catch-22 or rett* or congenital or f?etal alcohol) adj1 (syndrome or disorder*)).ti,ab.
52	(perinatal illness* or perinatal hypoxia*).ti,ab.
53	(primary adj1 dystonia?).ti,ab.
54	(heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.
55	(spina bifida? or spinal dysraphism?).ti,ab.
56	MOVEMENT DISORDERS/ or MOTOR DISORDERS/ or CONVERSION DISORDER/
57	((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*)).ti,ab.
58	((movement* or motor* or convers*) adj1 (disorder* or dysfunct*)).ti,ab.
59	((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*)).ti,ab.
60	(pseudo-seizure* or pseudoseizure*).ti,ab.
61	(medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.
62	or/1-61
63	NEUROLOGICAL REHABILITATION/ or exp REHABILITATION/ or rehab*.ti,ab.
64	rh.fs.
65	or/63-64
66	62 and 65
67	limit 66 to english language
68	LETTER/ or EDITORIAL/ or NEWS/ or exp HISTORICAL ARTICLE/ or ANECDOTES AS TOPIC/ or COMMENT/ or CASE REPORT/ or (letter or comment*).ti.
69	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
70	68 not 69
71	ANIMALS/ not HUMANS/
72	exp ANIMALS, LABORATORY/
73	exp ANIMAL EXPERIMENTATION/
74	exp MODELS, ANIMAL/
75	exp RODENTIA/
76	(rat or rats or mouse or mice).ti.
77	or/70-76
78	67 not 77
79	Economics/ or "costs and cost analysis"/ or Cost allocation/ or Cost-benefit analysis/ or Cost control/ or Cost savings/ or Cost of illness/ or Cost sharing/ or "deductibles and coinsurance"/ or Medical savings accounts/ or Health care costs/ or Direct service costs/ or Drug costs/ or Employer health costs/ or Hospital costs/ or Health expenditures/ or Capital expenditures/ or Value of life/ or exp economics, hospital/ or exp economics, medical/ or Economics, nursing/ or Economics, pharmaceutical/ or exp "fees and charges"/ or exp budgets/
80	(low adj cost).mp.
81	(high adj cost).mp.
82	(health?care adj cost\$).mp.
83	(fiscal or funding or financial or finance).tw.
84	(cost adj estimate\$).mp.
85	(cost adj variable).mp.
86	(unit adj cost\$).mp.
87	(economic\$ or pharmacoeconomic\$ or price\$ or pricing).tw.
88	or/79-87
89	78 and 88

#	Searches
90	limit 89 to dt=20100101-20221101
91	limit 89 to ed=20100101-20221101
92	90 or 91
93	(CRANIOCEREBRAL TRAUMA/ or brain injuries/ or exp brain hemorrhage, traumatic/ or exp brain injuries, diffuse/ or exp brain injuries, traumatic/ or exp brain injury, chronic/ or Shaken Baby Syndrome/ or HYPOXIA, BRAIN/ or Brain Damage, Chronic/ or exp INTRACRANIAL HEMORRHAGE, TRAUMATIC/ or exp BRAIN NEOPLASMS/ or BRAIN DISEASES/ or BRAIN ABSCESS/ or BRAIN DISEASES, METABOLIC/ or CEREBELLAR DISEASES/ or cerebrovascular disorders/ or basal ganglia cerebrovascular disease/ or cerebrovascular trauma/ or intracranial arteriovenous malformations/ or "intracranial embolism and thrombosis"/ or intracranial hemorrhages/ or vascular headaches/ or exp ENCEPHALITIS/ or exp HYDROCEPHALUS/) not (exp STROKE/ or dementia/)
94	((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumor* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*))ti,ab.
95	(chronic* adj1 trauma* adj2 encephalopath*)ti,ab.
96	((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor* or carcinom* or adenocarcinom*))ti,ab.
97	(brain* adj2 abscess*)ti,ab.
98	(carotid arter* adj2 (disease* or injur*))ti,ab.
99	("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*")ti,ab.
100	exp STROKE/ and (ADOLESCENT/ or MINORS/ or exp CHILD/ or exp INFANT/ or exp PEDIATRICS/ or exp PUBERTY/)
101	(stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*"))ti,ab.
102	exp SPINAL CORD INJURIES/ or exp SPINAL CORD NEOPLASMS/ or EPIDURAL ABSCESS/ or SPINAL CORD DISEASES/ or exp SPINAL CORD VASCULAR DISEASES/ or SPINAL CORD COMPRESSION/ or MYELITIS, TRANSVERSE/
103	((spinal* or spine?) adj2 (injur* or trauma* or tumor* or neoplasm* or cancer* or infect* or insult* or disease? or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*))ti,ab.
104	(Central cord syndrome* or transverse myelitis)ti,ab.
105	(epidural* adj2 (neoplasm* or cancer* or tumor* or abscess*))ti,ab.
106	((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*))ti,ab.
107	PERIPHERAL NERVE INJURIES/ or exp CRANIAL NERVE INJURIES/ or PERIPHERAL NERVOUS SYSTEM NEOPLASMS/ or exp CRANIAL NERVE NEOPLASMS/ or exp PERIPHERAL NERVOUS SYSTEM DISEASES/ or exp CRANIAL NERVE DISEASES/
108	((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome*))ti,ab.
109	(Guillain* adj1 Barr*)ti,ab.
110	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*)ti,ab.
111	(optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor*))ti,ab.
112	(brachial plexus adj1 (neuropath* or neuritis))ti,ab.
113	(complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*)ti,ab.
114	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*)ti,ab.
115	((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*)ti,ab.
116	(pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*)ti,ab.
117	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*)ti,ab.
118	(periph* adj2 neuropath*)ti,ab.
119	((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus)ti,ab.
120	((multi-focal* or multifocal*) adj2 motor adj1 neuropath*)ti,ab.
121	((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*)ti,ab.

Rehabilitation for chronic neurological disorders including acquired brain injury.
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#	Searches
122	exp MOTOR NEURON DISEASE/ or POSTPOLIOMYELITIS SYNDROME/ or exp PARKINSONIAN DISORDERS/ or MUSCULAR DYSTROPHY, DUCHENNE/ or exp MULTIPLE SCLEROSIS/ or NEUROMUSCULAR DISEASES/ or SPASTIC PARAPLEGIA, HEREDITARY/ or FRIEDREICH ATAXIA/ or exp MULTIPLE SYSTEM ATROPHY/ or SUPRANUCLEAR PALSY, PROGRESSIVE/ or CORTICOBASAL DEGENERATION/ or LEUKODYSTROPHY, METACHROMATIC/ or exp MITOCHONDRIAL MYOPATHIES/ or exp MUCOPOLYSACCHARIDOSES/ or WILLIAMS SYNDROME/ or GENETIC DISEASES, INBORN/ or RETT SYNDROME/ or FETAL ALCOHOL SPECTRUM DISORDERS/ or DYSTONIC DISORDERS/ or "HEREDITARY SENSORY AND MOTOR NEUROPATHY"/ or SPINAL DYSRAPHISM/
123	(neurolog* adj1 (condition* or disease* or damage* or disorder* or impair*)).ti,ab.
124	((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.
125	((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.
126	(bulbar adj1 pals*).ti,ab.
127	((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.
128	(progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.
129	((postpolio* or post-polio*) adj1 syndrome?).ti,ab.
130	(Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or kløver-bucy).ti,ab.
131	(muscular adj1 dystroph*).ti,ab.
132	(neuromusc* adj1 (disease* or disorder?)).ti,ab.
133	(heredit* adj1 spastic* adj1 parapleg*).ti,ab.
134	"friedreich* ataxia*".ti,ab.
135	((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.
136	(shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.
137	(progressive adj1 supranuclear adj1 pals*).ti,ab.
138	(richardson* adj1 (disease? or syndrome?)).ti,ab.
139	((corticobasal or cortico basal) adj1 degenerat*).ti,ab.
140	(white adj1 matter adj1 disorder?).ti,ab.
141	(metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.
142	(lysosomal adj1 storage adj1 disorder?).ti,ab.
143	((genetic or William* or catch-22 or rett* or congenital or f?etal alcohol) adj1 (syndrome or disorder?)).ti,ab.
144	(perinatal illness* or perinatal hypoxia*).ti,ab.
145	(primary adj1 dystonia?).ti,ab.
146	(heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.
147	(spina bifida? or spinal dysraphism?).ti,ab.
148	MOVEMENT DISORDERS/ or MOTOR DISORDERS/ or CONVERSION DISORDER/
149	((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*)).ti,ab.
150	((movement* or motor* or convers*) adj1 (disorder* or dysfunct*)).ti,ab.
151	((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*)).ti,ab.
152	(pseudo-seizure* or pseudoseizure*).ti,ab.
153	(medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.
154	or/93-153
155	NEUROLOGICAL REHABILITATION/
156	(COGNITIVE DYSFUNCTION/ or Cognition/) and (REHABILITATION/ or NEUROLOGICAL REHABILITATION/ or Telerehabilitation/)
157	(COGNITIVE DYSFUNCTION/ or Cognition/) and (rehab* or telerehab* or neurorehab*).ti.
158	or/155-157
159	158 not (exp STROKE/ or dementia/)
160	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) adj2 ((brain* or cogniti* or visual* or spatial* or percept* or executive*) adj1 (social* or plasticit* or function* or abilit* or capacit* or capabilit* or perform* or impair* or aid* or manag* or speed* or train* or activat* or global or impair*))).ti,ab.

#	Searches
161	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) adj2 (thinking or learning* or intellect* or "decision making*" or (problem adj2 solv*) or memor* or remember* or recall* or attent* or concentrat* or (acquir* adj2 knowledg*))).ti,ab.
162	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) adj2 (process* adj2 (speed* or train* or abilit* or perform* or strateg* or technique*))).ti,ab.
163	((memor* or cognitiv* or visual*) adj2 (Art or stimulat* or prompt* or diary* or diaries* or calendar or mnemonics or visualisation* or puzzle* or scan* or anchor* or environment*))).ti,ab.
164	socialville*.ti,ab.
165	(orientat* adj2 (prompt* or routin* or activit* or strateg* or enviroment* or cue or cues)).ti,ab.
166	((Mnemonic-strateg* or cue?) adj2 (train* or aid? or technique*))).ti,ab.
167	(attention adj2 (switch* or sustain* or focus* or divide* or dividing* or "process* train*" or lighthouse* or "dual task*")) adj2 (analys* or technique* or treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up)).ti,ab.
168	((cogniti* or visual* or spatial* or percept* or executive* or attention) adj1 (plasticit* or based* or function* or abilit* or capac* or capabilit* or perform* or impair* or aid* or manag* or speed* or train* or strateg* or prompt*) adj2 (analys* or technique* or treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up)).ti,ab.
169	((thinking or learning* or intellect* or "decision making*" or (problem adj2 solv*) or memor* or remember* or recall* or reasoning* or attent* or (acquir* adj2 knowledg*) or percept* or imitat*) adj2 (treatment* or therap* or train* or rehab* or remediat* or pathol* or strateg* or follow-up)).ti,ab.
170	(goal* adj2 (manag* or orientat*) adj2 (treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up)).ti,ab.
171	(error* adj2 learn*).ti,ab.
172	((("Affect Recognition" or "Visual scan*" or "Social Cognition" or "Theory of Mind Imitation") adj1 train*).ti,ab.
173	or/160-172
174	(154 or 159) and 173
175	limit 174 to english language
176	letter/
177	editorial/
178	news/
179	exp historical article/
180	Anecdotes as topic/
181	comment/
182	case reports/
183	(letter or comment*).ti.
184	or/176-183
185	randomized controlled trial/ or random*.ti,ab.
186	184 not 185
187	animals/ not humans/
188	exp Animals, Laboratory/
189	exp Animal Experimentation/
190	exp Models, Animal/
191	exp Rodentia/
192	(rat or rats or rodent* or mouse or mice).ti.
193	or/186-192
194	175 not 193
195	Economics/
196	Value of life/
197	exp "Costs and Cost Analysis"/
198	exp Economics, Hospital/
199	exp Economics, Medical/
200	exp Resource Allocation/
201	Economics, Nursing/

#	Searches
202	Economics, Pharmaceutical/
203	exp "Fees and Charges"/
204	exp Budgets/
205	budget*.ti,ab.
206	cost*.ti,ab.
207	(economic* or pharmaco?economic*).ti,ab.
208	(price* or pricing*).ti,ab.
209	(financ* or fee or fees or expenditure* or saving*).ti,ab.
210	(value adj2 (money or monetary)).ti,ab.
211	resourc* allocat*.ti,ab.
212	(fund or funds or funding* or funded).ti,ab.
213	(ration or rations or rationing* or rationed).ti,ab.
214	ec.fs.
215	or/195-214
216	quality-adjusted life years/
217	sickness impact profile/
218	(quality adj2 (wellbeing or well being)).ti,ab.
219	sickness impact profile.ti,ab.
220	disability adjusted life.ti,ab.
221	(qal* or qtime* or qwb* or daly*).ti,ab.
222	(euroqol* or eq5d* or eq 5*).ti,ab.
223	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
224	(health utility* or utility score* or disutilit* or utility value*).ti,ab.
225	(hui or hui1 or hui2 or hui3).ti,ab.
226	(health* year* equivalent* or hye or hyes).ti,ab.
227	discrete choice*.ti,ab.
228	rosser.ti,ab.
229	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
230	(sf36* or sf 36* or short form 36* or shortform 36* or shortform36*).ti,ab.
231	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
232	(sf12* or sf 12* or short form 12* or shortform 12* or shortform12*).ti,ab.
233	(sf8* or sf 8* or short form 8* or shortform 8* or shortform8*).ti,ab.
234	(sf6* or sf 6* or short form 6* or shortform 6* or shortform6*).ti,ab.
235	or/216-234
236	194 and (215 or 235)
237	limit 236 to yr="2013 -Current"
238	237 not 92

Database: Embase

Date of last search: 20/07/2024

#	Searches
1	(head injury/ or exp brain injury/ or chronic brain disease/ or brain hemorrhage/ or brain hypoxia/ or exp brain tumor/ or brain disease/ or brain abscess/ or metabolic encephalopathy/ or cerebellum disease/ or exp cerebrovascular disease/ or encephalitis/ or hydrocephalus/) not (exp cerebrovascular accident/ or dementia/)
2	((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumo?r* or insult* or impair* or ischemi* or infarcti* or hypoxi* or drown*))ti,ab.
3	(chronic* adj1 trauma* adj2 encephalopath*).ti,ab.

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#	Searches
4	((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor* or carcinom* or adenocarcinom*)).ti,ab.
5	(brain* adj2 abscess*).ti,ab.
6	(carotid arter* adj2 (disease* or injur*)).ti,ab.
7	("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*").ti,ab.
8	exp cerebrovascular accident/ and (adolescent/ or "minor (person)"/ or exp child/ or exp infant/ or pediatrics/ or exp pediatrics/ or exp puberty/)
9	(stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*"))).ti,ab.
10	exp spinal cord injury/ or exp spinal cord tumor/ or epidural abscess/ or spinal cord disease/ or exp spinal cord vascular disease/ or spinal cord compression/ or transverse myelitis/
11	((spinal* or spine?) adj2 (injur* or trauma* or tumor* or neoplasm* or cancer* or infect* or insult* or disease? or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).ti,ab.
12	(Central cord syndrome* or transverse myelitis).ti,ab.
13	(epidural* adj2 (neoplasm* or cancer* or tumor* or abscess*)).ti,ab.
14	((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).ti,ab.
15	peripheral nerve injury/ or exp cranial nerve injury/ or peripheral nerve tumor/ or exp cranial nerve tumor/ or exp peripheral neuropathy/ or exp cranial neuropathy/
16	((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome?)).ti,ab.
17	(Guillain* adj1 Barr*).ti,ab.
18	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*).ti,ab.
19	(optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor*)).ti,ab.
20	(brachial plexus adj1 (neuropath* or neuritis)).ti,ab.
21	(complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*).ti,ab.
22	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*).ti,ab.
23	((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*).ti,ab.
24	(pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).ti,ab.
25	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*).ti,ab.
26	(periph* adj2 neuropath*).ti,ab.
27	((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus).ti,ab.
28	((multi-focal* or multifocal*) adj2 motor adj1 neuropath*).ti,ab.
29	((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*).ti,ab.
30	exp motor neuron disease/ or postpoliomyelitis syndrome/ or exp parkinsonism/ or Duchenne muscular dystrophy/ or exp multiple sclerosis/ or neuromuscular disease/ or hereditary motor sensory neuropathy/ or Friedreich ataxia/ or exp Shy Drager syndrome/ or progressive supranuclear palsy/ or corticobasal degeneration/ or metachromatic leukodystrophy/ or exp mitochondrial myopathy/ or exp mucopolysaccharidosis/ or Williams Beuren syndrome/ or genetic disorder/ or Rett syndrome/ or fetal alcohol syndrome/ or dystonic disorder/ or hereditary motor sensory neuropathy/ or spinal dysraphism/
31	(neurolog* adj1 (disease* or damage* or disorder* or impair*)).ti,ab.
32	((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.
33	((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.
34	(bulbar adj1 pals*).ti,ab.
35	((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.
36	(progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.
37	((postpolio* or post-polio*) adj1 syndrome?).ti,ab.
38	(Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or kluver-bucy).ti,ab.

#	Searches
39	(muscular adj1 dystroph*).ti,ab.
40	(neuromusc* adj1 (disease* or disorder?)).ti,ab.
41	(heredit* adj1 spastic* adj1 parapleg*).ti,ab.
42	"friedreich* ataxia*".ti,ab.
43	((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.
44	(shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.
45	(progressive adj1 supranuclear adj1 pals*).ti,ab.
46	(richardson* adj1 (disease? or syndrome?)).ti,ab.
47	((corticobasal or cortico basal) adj1 degenerat*).ti,ab.
48	(white adj1 matter adj1 disorder?).ti,ab.
49	(metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.
50	(lysosomal adj1 storage adj1 disorder?).ti,ab.
51	((genetic or William* or catch-22 or rett* or congenital or f?etal alcohol) adj1 (syndrome or disorder?)).ti,ab.
52	(perinatal illness* or perinatal hypoxia*).ti,ab.
53	(primary adj1 dystonia?).ti,ab.
54	(heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.
55	(spina bifida? or spinal dysraphism?).ti,ab.
56	motor dysfunction/ or motor dysfunction/ or conversion disorder/
57	((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult?)).ti,ab.
58	((movement* or motor* or convers*) adj1 (disorder* or dysfunct?)).ti,ab.
59	((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack?)).ti,ab.
60	(pseudo-seizure* or pseudoseizure*).ti,ab.
61	(medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.
62	or/1-61
63	exp rehabilitation/ or neurorehabilitation/ or rehab*.ti,ab.
64	rh.fs.
65	or/63-64
66	62 and 65
67	66 not (exp cerebrovascular accident/ or dementia/)
68	limit 67 to english language
69	limit 68 to yr="2005 -Current"
70	letter.pt. or LETTER/
71	note.pt.
72	editorial.pt.
73	CASE REPORT/ or CASE STUDY/
74	(letter or comment*).ti.
75	or/70-74
76	RANDOMIZED CONTROLLED TRIAL/ or random*.ti,ab.
77	75 not 76
78	ANIMAL/ not HUMAN/
79	NONHUMAN/
80	exp ANIMAL EXPERIMENT/
81	exp EXPERIMENTAL ANIMAL/
82	ANIMAL MODEL/
83	exp RODENT/
84	(rat or rats or mouse or mice).ti.
85	or/77-84
86	69 not 85

#	Searches
87	Socioeconomics/ or Cost benefit analysis/ or Cost effectiveness analysis/ or Cost of illness/ or Cost control/ or Economic aspect/ or Financial management/ or Health care cost/ or Health care financing/ or Health economics/ or Hospital cost/
88	(fiscal or financial or finance or funding).tw.
89	Cost minimization analysis/
90	(cost adj estimate\$).mp.
91	(cost adj variable\$).mp.
92	(unit adj cost\$).mp.
93	or/87-92
94	86 and 93
95	limit 94 to dc=20100101-20221101
96	(head injury/ or exp brain injury/ or chronic brain disease/ or brain hemorrhage/ or exp brain tumor/ or brain disease/ or brain hypoxia/ or brain abscess/ or metabolic encephalopathy/ or cerebellum disease/ or exp cerebrovascular disease/ or encephalitis/ or hydrocephalus/) not (exp cerebrovascular accident/ or dementia/)
97	((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumor* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*)).ti,ab.
98	(chronic* adj1 trauma* adj2 encephalopath*).ti,ab.
99	((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor* or carcinom* or adenocarcinom*)).ti,ab.
100	(brain* adj2 abscess*).ti,ab.
101	(carotid arter* adj2 (disease* or injur*)).ti,ab.
102	("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*").ti,ab.
103	exp cerebrovascular accident/ and (adolescent/ or "minor (person)"/ or exp child/ or exp infant/ or pediatrics/ or exp pediatrics/ or exp puberty/)
104	(stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*")).ti,ab.
105	exp spinal cord injury/ or exp spinal cord tumor/ or epidural abscess/ or spinal cord disease/ or exp spinal cord vascular disease/ or spinal cord compression/ or transverse myelitis/
106	((spinal* or spine?) adj2 (injur* or trauma* or tumor* or neoplasm* or cancer* or infect* or insult* or disease? or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).ti,ab.
107	(Central cord syndrome* or transverse myelitis).ti,ab.
108	(epidural* adj2 (neoplasm* or cancer* or tumor* or abscess*)).ti,ab.
109	((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).ti,ab.
110	peripheral nerve injury/ or exp cranial nerve injury/ or peripheral nerve tumor/ or exp cranial nerve tumor/ or exp peripheral neuropathy/ or exp cranial neuropathy/
111	((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome?)).ti,ab.
112	(Guillain* adj1 Barr*).ti,ab.
113	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*).ti,ab.
114	(optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor*?r*)).ti,ab.
115	(brachial plexus adj1 (neuropath* or neuritis)).ti,ab.
116	(complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*).ti,ab.
117	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*).ti,ab.
118	((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*).ti,ab.
119	(pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).ti,ab.
120	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*).ti,ab.
121	(periph* adj2 neuropath*).ti,ab.

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#	Searches
122	((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus).ti,ab.
123	((multi-focal* or multifocal*) adj2 motor adj1 neuropath*).ti,ab.
124	((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*).ti,ab.
125	exp motor neuron disease/ or postpoliomyelitis syndrome/ or exp parkinsonism/ or Duchenne muscular dystrophy/ or exp multiple sclerosis/ or neuromuscular disease/ or hereditary motor sensory neuropathy/ or Friedreich ataxia/ or exp Shy Drager syndrome/ or progressive supranuclear palsy/ or corticobasal degeneration/ or metachromatic leukodystrophy/ or exp mitochondrial myopathy/ or exp mucopolysaccharidosis/ or Williams Beuren syndrome/ or genetic disorder/ or Rett syndrome/ or fetal alcohol syndrome/ or dystonic disorder/ or hereditary motor sensory neuropathy/ or spinal dysraphism/
126	(neurolog* adj1 (condition* or disease* or damage* or disorder* or impair*).ti,ab.
127	((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.
128	((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.
129	(bulbar adj1 pals*).ti,ab.
130	((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.
131	(progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.
132	((postpolio* or post-polio*) adj1 syndrome?).ti,ab.
133	(Parkinson* or duchenne* or multiple sclerosis* or aphasia or creutzfeldt-jakob or huntington* or kluver-bucy).ti,ab.
134	(muscular adj1 dystroph*).ti,ab.
135	(neuromusc* adj1 (disease* or disorder?)).ti,ab.
136	(heredit* adj1 spastic* adj1 parapleg*).ti,ab.
137	"friedreich* ataxia*".ti,ab.
138	((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.
139	(shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.
140	(progressive adj1 supranuclear adj1 pals*).ti,ab.
141	(richardson* adj1 (disease? or syndrome?)).ti,ab.
142	((corticobasal or cortico basal) adj1 degenerat*).ti,ab.
143	(white adj1 matter adj1 disorder?).ti,ab.
144	(metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.
145	(lysosomal adj1 storage adj1 disorder?).ti,ab.
146	((genetic or William* or catch-22 or rett* or congenital or fetal alcohol) adj1 (syndrome or disorder?)).ti,ab.
147	(perinatal illness* or perinatal hypoxia*).ti,ab.
148	(primary adj1 dystonia?).ti,ab.
149	(heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.
150	(spina bifida? or spinal dysraphism?).ti,ab.
151	motor dysfunction/ or motor dysfunction/ or conversion disorder/
152	((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*).ti,ab.
153	((movement* or motor* or convers*) adj1 (disorder* or dysfunct*).ti,ab.
154	((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*).ti,ab.
155	(pseudo-seizure* or pseudoseizure*).ti,ab.
156	(medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.
157	or/96-156
158	neurorehabilitation/
159	(cognitive defect/ or cognition/) and (rehabilitation/ or telerehabilitation/)
160	(cognitive defect/ or cognition/) and (rehab* or telerehab* or neurorehab*).ti
161	or/158-160
162	161 not (exp cerebrovascular accident/ or dementia/)
163	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) adj2 ((brain* or cogniti* or visual* or spatial* or percept* or executive*) adj1 (social* or plasticit* or function* or abilit* or capaciti* or capabilit* or perform* or impair* or aid* or manag* or speed* or train* or activat* or global or impair*))).ti,ab.

#	Searches
164	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) adj2 (thinking or learning* or intellect* or "decision making*" or (problem adj2 solv*) or memor* or remember* or recall* or attent* or concentrat* or (acquir* adj2 knowledg*))).ti,ab.
165	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) adj2 (process* adj2 (speed* or train* or abilit* or perform* or strateg* or technique*))).ti,ab.
166	((memor* or cognitiv* or visual*) adj2 (Art or stimulat* or prompt* or diary* or diaries* or calendar or mnemonics or visualisation* or puzzle* or scan* or anchor* or environment*))).ti,ab.
167	socialville*.ti,ab.
168	(orientat* adj2 (prompt* or routin* or activit* or strateg* or enviroment* or cue or cues)).ti,ab.
169	((Mnemonic-strateg* or cue?) adj2 (train* or aid? or technique*))).ti,ab.
170	(attention adj2 (switch* or sustain* or focus* or divide* or dividing* or "process* train*" or lighthouse* or "dual task*")) adj2 (analys* or technique* or treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up)).ti,ab.
171	((cogniti* or visual* or spatial* or percept* or executive* or attention) adj1 (plasticit* or based* or function* or abilit* or capac* or capabilit* or perform* or impair* or aid* or manag* or speed* or train* or strateg* or prompt*) adj2 (analys* or technique* or treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up)).ti,ab.
172	((thinking or learning* or intellect* or "decision making*" or (problem adj2 solv*) or memor* or remember* or recall* or reasoning* or attent* or (acquir* adj2 knowledg*) or percept* or imitat*) adj2 (treatment* or therap* or train* or rehab* or remediat* or pathol* or strateg* or follow-up)).ti,ab.
173	(goal* adj2 (manag* or orientat*) adj2 (treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up)).ti,ab.
174	(error* adj2 learn*).ti,ab.
175	((("Affect Recognition" or "Visual scan*" or "Social Cognition" or "Theory of Mind Imitation") adj1 train*).ti,ab.
176	or/163-175
177	(157 or 162) and 176
178	limit 177 to english language
179	letter.pt. or letter/
180	note.pt.
181	editorial.pt.
182	case report/ or case study/
183	(letter or comment*).ti.
184	or/179-183
185	randomized controlled trial/ or random*.ti,ab.
186	184 not 185
187	animal/ not human/
188	nonhuman/
189	exp Animal Experiment/
190	exp Experimental Animal/
191	animal model/
192	exp Rodent/
193	(rat or rats or rodent* or mouse or mice).ti.
194	or/186-193
195	178 not 194
196	health economics/
197	exp economic evaluation/
198	exp health care cost/
199	exp fee/
200	budget/
201	funding/
202	resource allocation/
203	budget*.ti,ab.
204	cost*.ti,ab.

#	Searches
205	(economic* or pharmaco?economic*).ti,ab.
206	(price* or pricing*).ti,ab.
207	(financ* or fee or fees or expenditure* or saving*).ti,ab.
208	(value adj2 (money or monetary)).ti,ab.
209	resourc* allocat*.ti,ab.
210	(fund or funds or funding* or funded).ti,ab.
211	(ration or rations or rationing* or rationed).ti,ab.
212	or/196-211
213	quality adjusted life year/
214	"quality of life index"/
215	short form 12/ or short form 20/ or short form 36/ or short form 8/
216	sickness impact profile/
217	(quality adj2 (wellbeing or well being)).ti,ab.
218	sickness impact profile.ti,ab.
219	disability adjusted life.ti,ab.
220	(qal* or qtime* or qwb* or daly*).ti,ab.
221	(euroqol* or eq5d* or eq 5*).ti,ab.
222	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
223	(health utility* or utility score* or disutilit* or utility value*).ti,ab.
224	(hui or hui1 or hui2 or hui3).ti,ab.
225	(health* year* equivalent* or hye or hyes).ti,ab.
226	discrete choice*.ti,ab.
227	rosser.ti,ab.
228	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
229	(sf36* or sf 36* or short form 36* or shortform 36* or shortform36*).ti,ab.
230	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
231	(sf12* or sf 12* or short form 12* or shortform 12* or shortform12*).ti,ab.
232	(sf8* or sf 8* or short form 8* or shortform 8* or shortform8*).ti,ab.
233	(sf6* or sf 6* or short form 6* or shortform 6* or shortform6*).ti,ab.
234	or/213-233
235	195 and (212 or 234)
236	limit 235 to yr="2013 -Current"
237	236 not 95

Database: INAHTA International HTA Database

Date of last search: 20/07/2024

#	Searches
1	(brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) AND (injur* or trauma* or damage* or disease*1 or disorder* or infect* or hemorrhag* or haemorrhag* or neoplasm* or cancer* or tumour* or tumor* or insult* or impair* or ischemi* or infarcti* or hypoxi* or drown*)
2	(chronic* AND trauma* AND encephalopath*)
3	(infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) AND (neoplasm* or cancer* or tumour* or tumor* or carcinom* or adenocarcinom*)
4	(brain* AND abscess*)
5	(carotid arter* AND (disease* or injur*))
6	("basal ganglia disease" or "basal ganglia diseases" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cerebellar degenerate" or "paraneoplastic cerebellar degenerated" or "paraneoplastic cerebellar degenerative" or "paraneoplastic cerebellar degeneration" or "shaken baby syndrome" or "shaken baby syndromes" or "shaking baby syndrome" or "shaking baby syndromes" or "Periventricular leukomalacia" or "Periventricular leukomalacias")

Rehabilitation for chronic neurological disorders including acquired brain injury.
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#	Searches
7	(stroke or strokes AND (paediatric* or pediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age" or "under ages" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school ages" or "school age" or schoolage* or "under 16" or "under sixteen" or "under sixteens"))
8	((spinal* or spine or spines) AND (injur* or trauma* or tumour* or tumor* or neoplasm* or cancer* or infect* or insult* or disease or diseases or disorder* or degenrat* or compress* or vascular* or ischemi* or infarct* or hemorrhag* or haemorrhag*))
9	(Central cord syndrome* or transverse myelitis)
10	(epidural* AND (neoplasm* or cancer* or tumour* or tumor* or abscess*))
11	((spinal* or spine or spines) AND (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*))
12	((periph* or cranial*) AND (nerve or nerves or nervous system) AND (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumour* or tumor* or inflamm* or autoimmune* or paraneoplastic* or neuropath* or syndrome or syndromes))
13	(Guillain* AND Barr*)
14	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) AND nerve* AND injur*)
15	(optic* AND nerve* AND (neoplasm* or cancer* or tumour* or tumor*))
16	(brachial plexus AND (neuropath* or neuritis))
17	(complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*)
18	((femoral or median or peroneal or radial or sciatic or tibial or ulnar) AND neuropath*)
19	((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) AND syndrome*)
20	(pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*)
21	((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) AND nerve* AND disease*)
22	(periph* AND neuropath*)
23	((periph* or cranial*) AND (nerve or nerves or nervous system)) and lupus)
24	((periph* or cranial*) AND (nerve or nerves or nervous system)) and alcohol*)
25	(neurolog* AND (disease* or damage* or disorder* or impair*))
26	((motor-neuron* or gehrig* or charcott* or kennedy*) AND disease*)
27	((amyotroph* or primary) AND lateral* AND sclero*)
28	(bulbar AND pals*)
29	((muscular or muscle* or bulbo) AND atroph* AND spin*)
30	(progressiv* AND (muscular or muscle*) AND atroph*)
31	((postpolio* or post-polio*) AND (syndrome or syndromes))
32	(Parkinson* or duchenne* or multiple sclerosis* or sclerosos* or aphasia or creutzfeldt-jakob or huntington* or kløver-bucy)
33	(muscular AND dystroph*)
34	(neuromusc* AND (disease* or disorder or disorders))
35	(heredit* AND spastic* AND parapleg*)
36	("friedreich ataxia" or "friedreich ataxias" or "friedreichs ataxia" or "friedreichs ataxias")
37	((multiple system or olivopontocerebellar) AND atroph*)
38	(shy-drager syndrome* or striatonigral degenerat* or batten* disease or diseases)
39	(progressive AND supranuclear AND pals*)
40	(richardson* AND (disease or diseases or syndrome or syndromes))
41	((corticobasal or cortico basal) AND degenerat*)
42	(white AND matter AND (disorder or disorders))
43	(metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*)
44	(lysosomal AND storage AND (disorder or disorders))
45	((genetic or William* or catch-22 or rett* or congenital or fetal or faetal alcohol) AND (syndrome or disorder*))
46	(perinatal illness* or perinatal hypoxia*)
47	(primary AND (dystonia or dystonias))
48	(heredit* AND motor* AND sens* AND neuropath*)
49	(spina bifida or bifidas or spinal dysraphism or dysraphisms)

#	Searches
50	((functional* or psychogenic* or dissociative*) AND neurologic* AND (disorder* or dysfunction* or difficult*))
51	((movement* or motor* or convers*) AND (disorder* or dysfunct*))
52	((psychogenic or dissociative or non-epilep* or nonepilep*) AND (seizure* or convulsion* or fit or fits or spasm* or attack*))
53	(pseudo-seizure or pseudoseizure)
54	(medical* AND (unexplain* or un-explain*) AND (symptom or symptoms))
55	((multi-focal* or multifocal*) AND motor AND neuropath*)
56	rehab*
57	#28 OR #27 OR #26 OR #25 OR #24 OR #23 OR #22 OR #21 OR #20 OR #19 OR #18 OR #17 OR #16 OR #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8 OR #7 OR #6 OR #5 OR #4 OR #3 OR #2 OR #1
58	#56 OR #55 OR #54 OR #53 OR #52 OR #51 OR #50 OR #49 OR #48 OR #47 OR #46 OR #45 OR #44 OR #43 OR #42 OR #41 OR #40 OR #39 OR #38 OR #37 OR #36 OR #35 OR #34 OR #33 OR #32 OR #31 OR #30 OR #29
59	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) AND ((brain* or cogniti* or visual* or spatial* or percept* or executive*) AND (social* or plasticit* or function* or abilit* or capaciti* or capabilit* or perform* or impair* or aid* or manag* or speed* or train* or activat* or global or impair*)))
60	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) AND (thinking or learning* or intellect* or "decision making" or "decision makings" or (problem AND solv*) or memor* or remember* or recall* or attent* or concentrat* or (acquir* AND knowledg*)))
61	((improv* or enrich* or benefit* or increas* or enhanc* or support* or encourag* or promot* or optimiz* or optimis* or motivat* or incentiv* or great* or maintain* or strengthen* or rehab* or restor*) AND (process* AND (speed* or train* or abilit* or perform* or strateg* or technique*)))
62	((memor* or cognitiv* or visual*) AND (Art or stimulat* or prompt* or diary* or diaries* or calendar or mnemonics or visualisation* or puzzle* or scan* or anchor* or environment*))
63	socialville*
64	(orientat* AND (prompt* or routin* or activit* or strateg* or enviroment* or cue or cues))
65	((Mnemonic-strateg* or cue or cues) AND (train* or aid or aids or technique*))
66	(attention AND (switch* or sustain* or focus* or divide* or dividing* or "process train" or "process trains" or "process trained" or "process trainer" or "process training" or "process trainings" or "processes train" or "processes trains" or "processes trained" or "processes trainer" or "processes training" or "processes trainings" or "processing train" or "processing trains" or "processing trained" or "processing trainer" or "processing training" or "processing trainings" or "processive train" or "processive trains" or "processive trained" or "processive trainer" or "processive training" or "processive trainings" or lighthouse* or "dual task" or "dual tasks") AND (analys* or technique* or treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up))
67	((cogniti* or visual* or spatial* or percept* or executive* or attention) AND (plasticit* or based* or function* or abilit* or capaciti* or capabilit* or perform* or impair* or aid* or manag* or speed* or train* or strateg* or prompt*) AND (analys* or technique* or treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up))
68	((thinking or learning* or intellect* or "decision making" or "decision makings" or (problem AND solv*) or memor* or remember* or recall* or reasoning* or attent* or ((acquir* AND knowledg*) or percept* or imitat*)) AND (treatment* or therap* or train* or rehab* or remediat* or pathol* or strateg* or follow-up))
69	(goal* AND (manag* or orientat*)) AND (treatment* or therap* or train* or rehab* or remediat* or pathol* or follow-up))
70	(error* AND learn*)
71	((("Affect Recognition" or "Visual scan" or "Visual scanner" or "Visual scanners" or "Visual scanning" or "Visual scannings" or "Social Cognition" or "Theory of Mind Imitation") AND train*))
72	#71 OR #70 OR #69 OR #68 OR #67 OR #66 OR #65 OR #64 OR #63 OR #62 OR #61 OR #60 OR #59
73	#72 AND #57 With date limit 2013-2024 & english language
74	#72 AND #58 With date limit 2013-2024 & english language

Database: NHSEED NHS Economic Evaluation Database**Date of last search: 20/07/2024**

#	Searches
1	MeSH DESCRIPTOR rehabilitation EXPLODE ALL TREES IN NHSEED FROM 2013 TO 2024
2	(rehab* or neurorehab* or telerehab*) IN NHSEED FROM 2013 TO 2024
3	MeSH DESCRIPTOR therapeutics EXPLODE ALL TREES IN NHSEED FROM 2013 to 2024
4	(therap*):TI IN NHSEED FROM 2013 TO 2024
5	#1 OR #2 OR #3 OR #4

Economic study selection

Approach to study selection

The economic evidence study selection was conducted in several stages:

Stage 1: A global search was carried out at the beginning of the development to cover the following review questions:

- [D] What is the effectiveness of approaches for improving or maintaining independence in activities of daily living for people with chronic neurological disorders?
- [E] What is the effectiveness of interventions and approaches for improving and sustaining stability, mobility and upper limb functioning for people with chronic neurological disorders?
- [F] What is the effectiveness of interventions and approaches for improving or supporting speech, language and communication?
- [G] What is the effectiveness of interventions and approaches for improving and maintaining cognitive function?
- [H] What is the effectiveness of interventions and approaches for improving and sustaining emotional health and mental wellbeing?
- [I] What is the effectiveness of clinical case management in the delivery of rehabilitation for people with chronic neurological disorders?
- [J] What is the effectiveness of multi modal (i.e. combined physical and psychological) rehabilitation for fatigue management for people with chronic neurological disorders?
- [O] What is the effectiveness of rehabilitation interventions to support access to physical activity, exercise or sport, for people with chronic neurological disorders?

The study selection is summarised in **Figure 1**.

Stage 2: After finalising the effectiveness review protocol, further searches were conducted for the following review questions to ensure economic searches captured the refined population:

- [F] What is the effectiveness of interventions and approaches for improving or supporting speech, language and communication? (Study selection is summarised in Figure 2)

- [G] What is the effectiveness of interventions and approaches for improving and maintaining cognitive function? (Study selection is summarised in Figure 3)

Stage 3: An individual search was undertaken for review question [N] What is the effectiveness of interventions or approaches for supporting people's social participation (for example leisure, family life, sex and relationships)? The study selection is summarised in Figure 4.

Stage 4: A combined search was conducted for review question [L] What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training? AND [M] What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave employment and volunteering? The study selection is summarised in Figure 5.

Stage 5: An update search was carried out for review question [G] What is the effectiveness of interventions and approaches for improving and maintaining cognitive function? This was done to align with the approach taken for the related effectiveness review. The study selection is included in Figure 1.

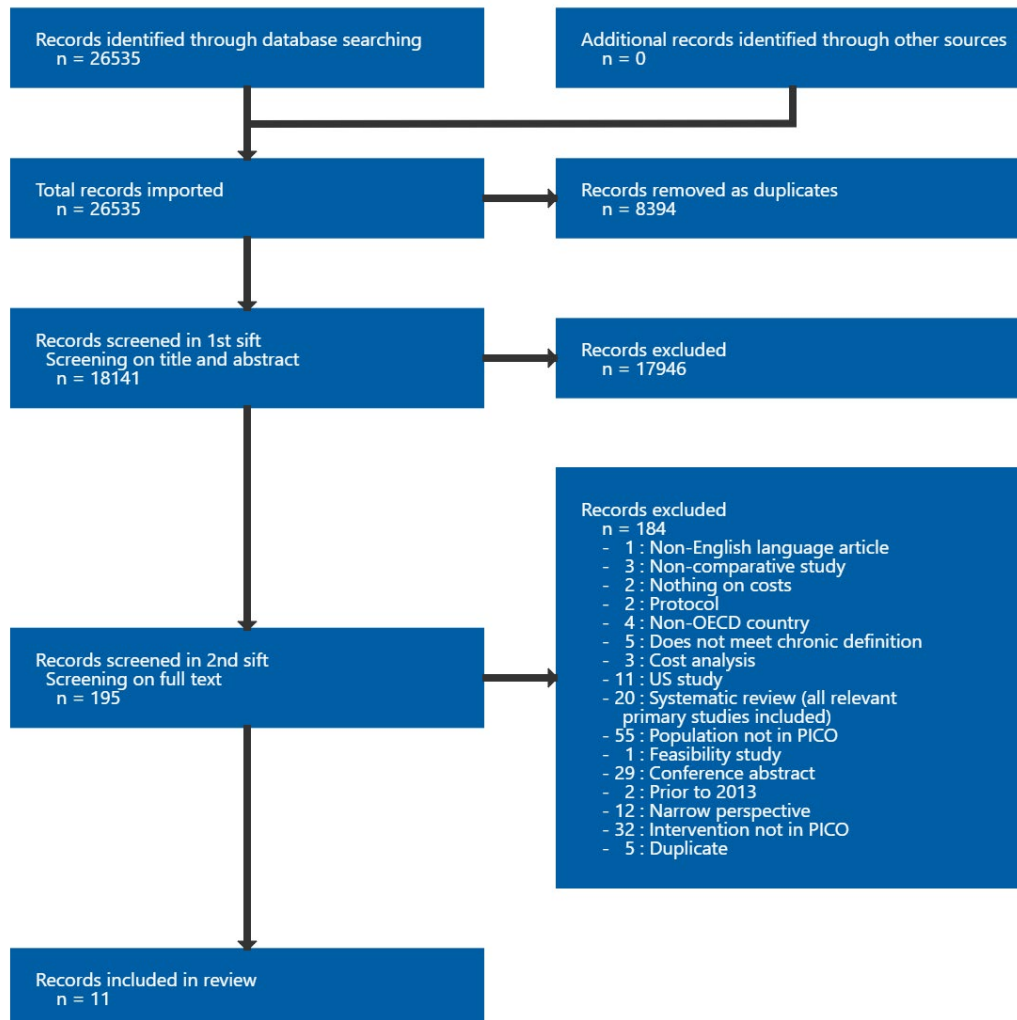
The number of included studies for each review question is provided in Table 1.

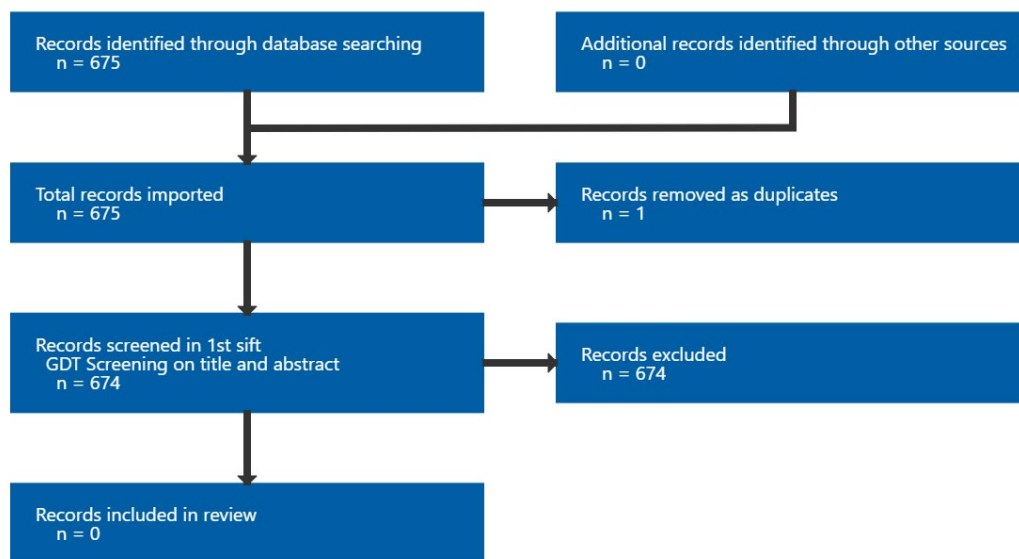
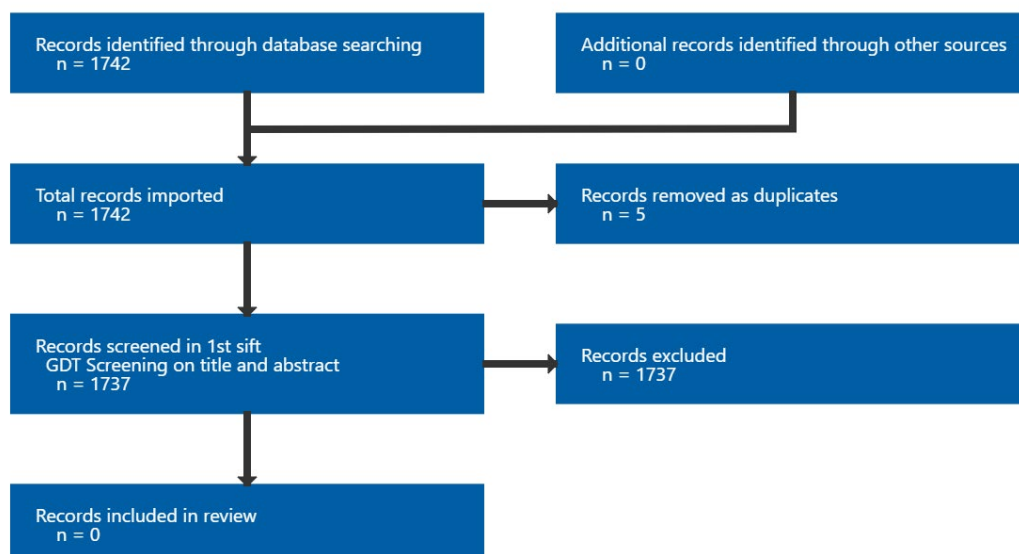
The excluded studies, along with reasons for their exclusion, are detailed in Table 2 and Table 3 for searches outlined above.

PRISMA diagrams

Review questions D-J, and O

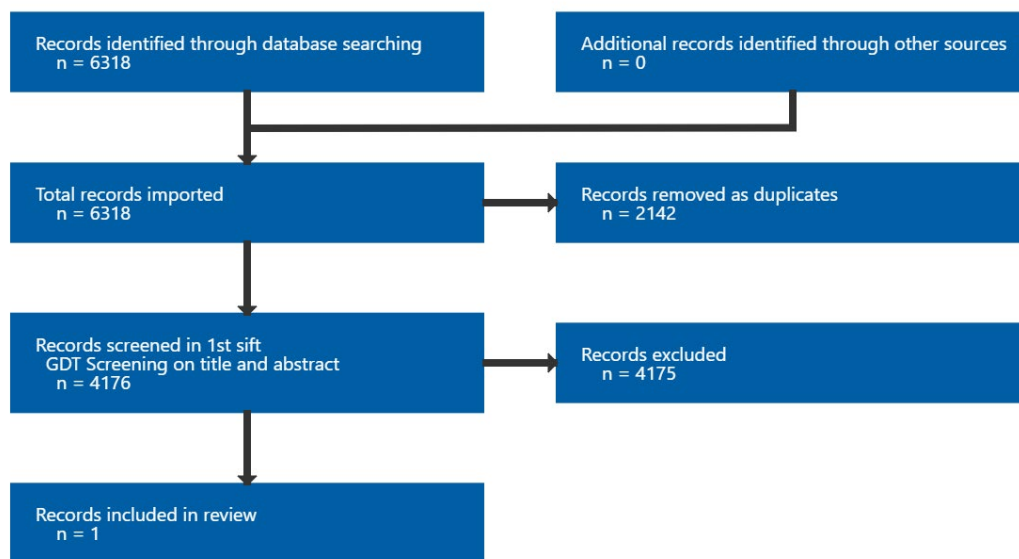
Figure 1: Economic study selection (Stage 1 and Stage 5, review questions D-J, and O, and update search for review question G)



Review question F (top-up search)**Figure 2 Economic study selection (Stage 2, review question F, top-up search)****Review question G (top-up search)****Figure 3 Economic study selection (Stage 2, review question G, top-up search)**

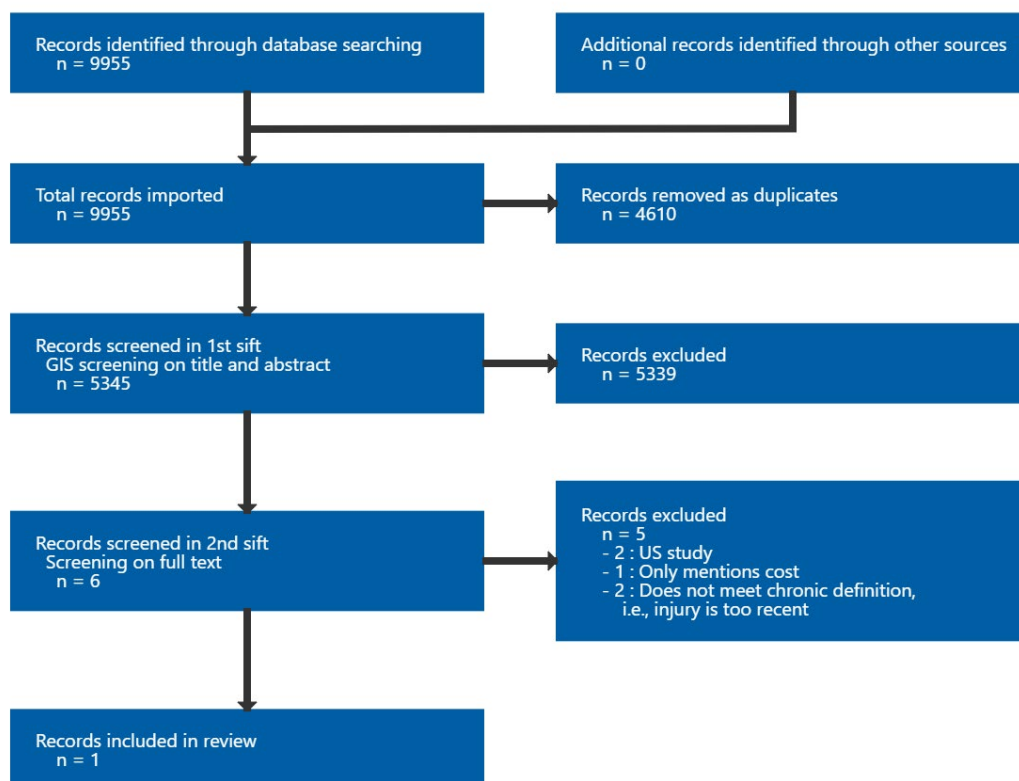
Review questions N

Figure 4 Economic study selection (Stage 3, review question N)



Review questions L and M

Figure 5 Economic study selection (Stage 4, review questions L and M)



Included economic studies across all review questions

Table 1: Included economic studies

Evidence review	Review question	Number of included studies
[A] Rehabilitation delivery	Based on the views and preferences of everyone involved, what works well and what could be improved in the delivery of rehabilitation?	NA – Qualitative review
[B] Identification and referral	What are the barriers and facilitators to identifying people with rehabilitation needs due to chronic neurological disorders and enabling access to appropriate services, including referral?	NA – Qualitative review
[C] Assessment, planning and review	Based on the views and preferences of everyone involved, what works well and what could be improved in assessing and reviewing rehabilitation needs and formulating, agreeing and reviewing rehabilitation plans?	NA – Qualitative review
[D] Personal care and activities of daily living	What is the effectiveness of approaches for improving or maintaining independence in activities of daily living for people with chronic neurological disorders?	3 (Clarke 2016, Cubo 2017, Sturkenboom 2015)
[E] Stability, mobility and upper limb function	What is the effectiveness of interventions and approaches for improving and sustaining stability, mobility and upper limb functioning for people with chronic neurological disorders?	0
[F] Speech, language and communication	What is the effectiveness of interventions and approaches for improving or supporting speech, language and communication?	1 (Scobie 2021)
[G] Cognitive function	What is the effectiveness of interventions and approaches for improving and maintaining cognitive function?	3 (Lincoln 2020, Das Nair 2019)
[H] Emotional health and wellbeing	What is the effectiveness of interventions and approaches for improving and sustaining emotional health and mental wellbeing?	3 (Bogosian 2015, Humphreys 2013, Mosweu 2017)
[I] Clinical case management	What is the effectiveness of clinical case management in the delivery of rehabilitation for people with chronic neurological disorders?	0
[J] Fatigue management	What is the effectiveness of multi modal (i.e. combined physical and psychological) rehabilitation for fatigue management for people with chronic neurological disorders?	0
[K] Access to support for education, employment and social participation	Based on the views and preferences of everyone involved, what works well and what makes it difficult to access support for education, employment, and social participation?	NA – Qualitative review
[L] Support to access education	What is the effectiveness of interventions or approaches for supporting people to enter,	0

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Evidence review	Review question	Number of included studies
	remain in, return to or leave education and training?	
[M] Support to access employment	What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave employment and volunteering?	1 (Howe 2022)
[N] Support for social participation	What is the effectiveness of interventions or approaches for supporting people's social participation (for example leisure, family life, sex and relationships)?	1 (van Mastrigt 2019)
[O] Access to physical activity	What is the effectiveness of rehabilitation interventions to support access to physical activity, exercise or sport, for people with chronic neurological disorders?	1 (Tosh 2014)
Total	Across all reviews	N = 13

References to included economic studies across all review questions

- Bogosian, A, Chadwick, P, Windgassen, S et al. (2015) Distress improves after mindfulness training for progressive MS: A pilot randomised trial. Multiple sclerosis (Houndmills, Basingstoke, England) 21(9): 1184-94
- Clarke, C.E., Patel, S., Ives, N. et al. (2016) Clinical effectiveness and cost-effectiveness of physiotherapy and occupational therapy versus no therapy in mild to moderate Parkinson's disease: a large pragmatic randomised controlled trial (PD REHAB). Health technology assessment (Winchester, England) 20(63): 1-96
- Cubo, E, Mariscal, N, Solano, B et al. (2017) Prospective study on cost-effectiveness of home-based motor assessment in Parkinson's disease. Journal of telemedicine and telecare 23(2): 328-338
- das Nair, R., Bradshaw, L.E., Day, F.E. et al. (2019) Clinical and cost effectiveness of memory rehabilitation following traumatic brain injury: a pragmatic cluster randomized controlled trial. Clinical rehabilitation 33(7): 1171-1184
- Howe, Emilie Isager, Andelic, Nada, Fure, Silje C R et al. (2022) Cost-effectiveness analysis of combined cognitive and vocational rehabilitation in patients with mild-to-moderate TBI: results from a randomized controlled trial. BMC health services research 22(1): 185
- Humphreys, I., Drummond, A.E., Phillips, C. et al. (2013) Cost-effectiveness of an adjustment group for people with multiple sclerosis and low mood: a randomized trial. Clinical rehabilitation 27(11): 963-971
- Lincoln, N.B., Bradshaw, L.E., Constantinescu, C.S. et al. (2020) Cognitive rehabilitation for attention and memory in people with multiple sclerosis: a randomized controlled trial (CRAMMS). Clinical rehabilitation 34(2): 229-241

- Mosweu, I., Moss-Morris, R., Dennison, L. et al. (2017) Cost-effectiveness of nurse-delivered cognitive behavioural therapy (CBT) compared to supportive listening (SL) for adjustment to multiple sclerosis. *Health Economics Review* 7(1): 36
- Scobie, Sarah, Jowett, Sue, Lambe, Tosin et al. (2021) Lee Silverman Voice Treatment versus standard speech and language therapy versus control in Parkinson's disease: preliminary cost-consequence analysis of the PD COMM pilot randomised controlled trial. *Pilot and feasibility studies* 7(1): 154
- Sturkenboom, I.H.W.M., Hendriks, J.C.M., Graff, M.J.L. et al. (2015) Economic evaluation of occupational therapy in Parkinson's disease: A randomized controlled trial. *Movement Disorders* 30(8): 1059-1067
- Thomas, S., Thomas, P.W., Kersten, P. et al. (2013) A pragmatic parallel arm multi-centre randomised controlled trial to assess the effectiveness and cost-effectiveness of a group-based fatigue management programme (FACETS) for people with multiple sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry* 84(10): 1092-1099
- Tosh, J, Dixon, S, Carter, A et al. (2014) Cost effectiveness of a pragmatic exercise intervention (EXIMS) for people with multiple sclerosis: economic evaluation of a randomised controlled trial. *Multiple sclerosis (Houndmills, Basingstoke, England)* 20(8): 1123-30
- van Mastrigt, G.A., Evers, S.M., Heerings, M. et al. (2019) An economic evaluation attached to a single-centre, parallel group, unmasked, randomized controlled trial of a 3-day intensive social cognitive treatment (can do treatment) in patients with relapsing remitting multiple sclerosis and low disability. *Journal of Medical Economics* 22(10): 967-980

Excluded economic studies

Review questions D-J, O and G

Table 2: Excluded economic studies (Stage 1 and Stage 5, review questions D-J, and O, and update search for review question G)

Study	Code [Reason]
Afentou, Nafsika, Jarl, Johan, Gerdtham, Ulf-G et al. (2019) Economic Evaluation of Interventions in Parkinson's Disease: A Systematic Literature Review. <i>Movement disorders clinical practice</i> 6(4): 282-290	- Systematic review (all relevant primary studies included)
Akpan, F.; Taghavi, M.; Kamal, N. (2022) Optimizing therapy intensity for inpatient stroke rehabilitation: A linear programming model for cost. <i>Stroke</i> 53(suppl1)	- Intervention not in PICO

Study	Code [Reason]
Alberts, J.L., Modic, M.T., Udeh, B.L. et al. (2020) A Technology-Enabled Concussion Care Pathway Reduces Costs and Enhances Care. <i>Physical therapy</i> 100(1): 136-148	- US study
Alexrescu, R.; Siegert, R.J.; Turner-, L. (2014) Functional outcomes and efficiency of rehabilitation in a national cohort of patients with guillain - Barre syndrome and other inflammatory polyneuropathies e110532. <i>PLoS ONE</i> 9(11): e110532	- Non-comparative study
Allen, L., John-Baptiste, A., Meyer, M. et al. (2019) Assessing the impact of a home-based stroke rehabilitation programme: a cost-effectiveness study. <i>Disability and rehabilitation</i> 41(17): 2060-2065	- Population not in PICO <i>People with stroked aged 66 years</i>
Ambrens, M, van Schooten, KS, Lung, T et al. (2022) Economic evaluation of the e-Health StandingTall balance exercise programme for fall prevention in people aged 70 years and over. <i>Age and ageing</i> 51(6)	- Population not in PICO
Andelic, N., Ye, J., Tornas, S. et al. (2014) Cost-effectiveness analysis (CEA) of an early-initiated, continuous chain of rehabilitation after severe traumatic brain injury. <i>Journal of NeuroTrauma</i> : epub	- Duplicate
Andelic, N., Ye, J., Tornas, S. et al. (2014) Cost-effectiveness analysis (CEA) of an early-initiated, continuous chain of rehabilitation after severe traumatic brain injury. <i>Journal of NeuroTrauma</i> : epub	- Intervention not in PICO
Andelic, N., Ye, J., Tornas, S. et al. (2014) Cost-effectiveness analysis of an early-initiated, continuous chain of rehabilitation after severe traumatic brain injury. <i>Journal of Neurotrauma</i> 31(14): 1313-1320	- Intervention not in PICO <i>Intervention initiated in intensive care unit</i> - Population not in PICO
Andelic, N., Ye, J., Tornas, S. et al. (2014) Cost-effectiveness analysis (CEA) of continuous chain of rehabilitation after severe traumatic brain injury. <i>Brain Injury</i> 28(56): 609-610	- Conference abstract

Study	Code [Reason]
Angerova, Yvona, Marsalek, Pavel, Chmelova, Irina et al. (2021) Cost analysis of early rehabilitation after stroke in comprehensive cerebrovascular centres in the Czech Republic. Central European journal of public health 29(2): 153-158	- Intervention not in PICO
Anonymous (2019) Rehabilitation for adults with traumatic brain injury: A systematic review and assessment of medical, economic, social and ethical aspects.	- Non-English language article
Ashburn, A., Pickering, R., McIntosh, E. et al. (2019) Exercise-and strategy-based physiotherapy-delivered intervention for preventing repeat falls in people with parkinson's: The PDSAFE RCT. Health Technology Assessment 23(36): 1-147	- Intervention not in PICO
Bellon, Kimberly, Kolakowsky-Hayner, Stephanie, Wright, Jerry et al. (2015) A home-based walking study to ameliorate perceived stress and depressive symptoms in people with a traumatic brain injury. Brain injury 29(3): 313-9	- US study
Benard, A., Verpillot, E., Grandoulier, A.-S. et al. (2013) Comparative cost-effectiveness analysis of sacral anterior root stimulation for rehabilitation of bladder dysfunction in spinal cord injured patients. Neurosurgery 73(4): 600-608	- Intervention not in PICO
Bloem, B.R., Rompen, L., de Vries, N.M. et al. (2017) ParkinsonNet: A low-cost health care innovation with a systems approach from the Netherlands. Health Affairs 36(11): 1987-1996	- Systematic review (all relevant primary studies included)
Bogosian, Angeliki, Hurt, Catherine S, Hindle, John V et al. (2022) Acceptability and Feasibility of a Mindfulness Intervention Delivered via Videoconferencing for People With Parkinson's. Journal of geriatric psychiatry and neurology 35(1): 155-167	- Narrow perspective
Brusco, N. K., Watts, J. J., Shields, N. et al. (2014) Are weekend inpatient rehabilitation services value for money? An economic evaluation alongside a randomized	- Population not in PICO <i>Majority with orthopaedic and stroke related problems</i>

Study	Code [Reason]
controlled trial with a 30 day follow up. BMC Medicine 12: 89	
Brusco, N.K., Taylor, N.F., Watts, J.J. et al. (2014) Economic evaluation of adult rehabilitation: A systematic review and meta-analysis of randomized controlled trials in a variety of settings. Archives of Physical Medicine and Rehabilitation 95(1): 94	- Population not in PICO
Burge, Elisabeth, Monnin, Dominique, Berchtold, Andre et al. (2016) Cost-Effectiveness of Physical Therapy Only and of Usual Care for Various Health Conditions: Systematic Review. Physical therapy 96(6): 774-86	- Systematic review (all relevant primary studies included)
Candio, P., Violato, M., Luengo-Fernandez, R. et al. (2022) Cost-effectiveness of home-based stroke rehabilitation across Europe: A modelling study. Health Policy 126(3): 183-189	- Population not in PICO <i>People with stroke aged ≥ 20 years</i>
Canivet, C., Costa, N., Ory-Magne, F. et al. (2016) Clinical impact and cost-effectiveness of an education program for PD patients: A randomized controlled trial. PLoS ONE 11(9): e0162646	- Intervention not in PICO
Canning, C.G., Farag, I., Sherrington, C. et al. (2015) Minimally-supervised exercise is effective and cost-saving in reducing falls in people with mild, but not more severe parkinson's disease. Physiotherapy (United Kingdom) 101(suppl1): es199	- Conference abstract
Chan, B. (2015) Effect of increased intensity of physiotherapy on patient outcomes after stroke: An economic literature review and cost-effectiveness analysis. Ontario Health Technology Assessment Series 15(7)	- Population not in PICO <i>The hypothetical cohort of people with stroke with a mean age of 73</i>
Chaudhuri, K Ray, Hand, Annette, Obam, Fallon et al. (2022) Cost-effectiveness analysis of the Parkinson's KinetiGraph and clinical assessment in the management of Parkinson's disease. Journal of medical economics 25(1): 774-782	- Intervention not in PICO

Study	Code [Reason]
Chen, S., Wang, Z., Li, Y. et al. (2022) Safety and Feasibility of a Novel Exoskeleton for Locomotor Rehabilitation of Subjects With Spinal Cord Injury: A Prospective, Multi-Center, and Cross-Over Clinical Trial. <i>Frontiers in Neurorobotics</i> 16: 848443	- Non-OECD country <i>China</i>
Chen, Yu-Ching, Yeh, Yu-Jo, Wang, Chung-Yuan et al. (2022) Cost Utility Analysis of Multidisciplinary Postacute Care for Stroke: A Prospective Six-Hospital Cohort Study. <i>Frontiers in cardiovascular medicine</i> 9: 826898	- Non-OECD country
Chiu, Chong-Chi, Wang, Jhi-Joung, Hung, Chao-Ming et al. (2021) Impact of Multidisciplinary Stroke Post-Acute Care on Cost and Functional Status: A Prospective Study Based on Propensity Score Matching. <i>Brain sciences</i> 11(2)	- Non-OECD country <i>Taiwan</i>
Christie, L.J., Fearn, N., McCluskey, A. et al. (2022) Cost-Effectiveness of Constraint-Induced Movement Therapy Implementation in Neurorehabilitation: The ACTIVEARM Project. <i>PharmacoEconomics - Open</i>	- Population not in PICO <i>The included population consisted of adults with stroke and traumatic brain injury, with the majority (89%) being adults with stroke. Additionally, the analysis took a very narrow perspective, considering only intervention and implementation costs.</i>
Clarke, CE, Patel, S, Ives, N et al. (2016) Clinical effectiveness and cost-effectiveness of physiotherapy and occupational therapy versus no therapy in mild to moderate Parkinson's disease: a large pragmatic randomised controlled trial (PD REHAB).	- Duplicate
Coban, Mustafa, Bilge, Ugur, Balseven, Hale et al. (2023) The economic evaluation of ALS care: quality and cost. <i>Amyotrophic lateral sclerosis & frontotemporal degeneration</i> 24(56): 502-513	- Systematic review (all relevant primary studies included)
Collins, M.; Clifton, E.; Mead, G. (2015) Cost-effectiveness of exercise training for stroke survivors. <i>International Journal of Stroke</i> 10(suppl5): 71	- Conference abstract

Study	Code [Reason]
Collins, M., Clifton, E., Van Wijck, F. et al. (2018) Cost-effectiveness of physical fitness training for stroke survivors. Journal of the Royal College of Physicians of Edinburgh 48(1): 62-68	- Population not in PICO <i>People with stroke with the mean age of 72</i>
Comans, T., Mihala, G., Sakzewski, L. et al. (2017) The cost-effectiveness of a web-based multimodal therapy for unilateral cerebral palsy: the Mitii randomized controlled trial. Developmental Medicine and Child Neurology 59(7): 756-761	- Population not in PICO <i>People with cerebral palsy</i>
Cooney, M.T. and Carroll, A. (2016) Cost effectiveness of inpatient rehabilitation in patients with brain injury. Clinical Medicine, Journal of the Royal College of Physicians of London 16(2): 109-113	- Non-comparative study
Cooney, M.T. and Carroll, A. (2014) Cost effectiveness of inpatient rehabilitation in brain injury patients. Irish Journal of Medical Science 183(7suppl1): 333	- Conference abstract
Dalziel, Kim, Cheek, John A, Fanning, Laura et al. (2019) A Cost-Effectiveness Analysis Comparing Clinical Decision Rules PECARN, CATCH, and CHALICE With Usual Care for the Management of Pediatric Head Injury. Annals of emergency medicine 73(5): 429-439	- Intervention not in PICO <i>Comparison of clinical decision rules to help clinicians make decisions concerning CT use</i>
Dams, Judith, Balzer-Geldsetzer, Monika, Siebert, Uwe et al. (2016) Cost-effectiveness of neurostimulation in Parkinson's disease with early motor complications. Movement disorders : official journal of the Movement Disorder Society 31(8): 1183-91	- Intervention not in PICO
Dang, T.H.T.; Rowell, D.; Connelly, L. (2015) Systematic review of economic studies on deep brain stimulation for Parkinson's disease. Neuroepidemiology 45(4): 323	- Conference abstract
de Boer, M. J., Versteegen, G. J., Vermeulen, K. M. et al. (2014) A randomized controlled trial of an Internet-based cognitive-behavioural intervention for	- Population not in PICO

Study	Code [Reason]
non-specific chronic pain: An effectiveness and cost-effectiveness study. European Journal of Pain 18(10): 1440-1451	
Del Pino, Rocio, de Echevarría, Amaia Ortiz, Díez-Cirarda, Maria et al. (2023) Virtual coach and telerehabilitation for Parkinson's disease patients: vCare system. Journal of Public Health	- Narrow perspective
Dorstyn, D., Mathias, J., Denson, L. et al. (2012) Effectiveness of telephone counseling in managing psychological outcomes after spinal cord injury: A preliminary study. Archives of Physical Medicine and Rehabilitation 93(11): 2100-2108	- Prior to 2013
Farag, Inez, Sherrington, Catherine, Hayes, Alison et al. (2016) Economic evaluation of a falls prevention exercise program among people With Parkinson's disease. Movement disorders : official journal of the Movement Disorder Society 31(1): 53-61	- Intervention not in PICO
Faulkner, James, Stoner, Lee, Lanford, Jeremy et al. (2017) Long-Term Effect of Participation in an Early Exercise and Education Program on Clinical Outcomes and Cost Implications, in Patients with TIA and Minor, Non-Disabling Stroke. Translational stroke research 8(3): 220-227	- Population not in PICO <i>People with stroke with the mean age of 71 years</i>
Fernandez Sanchis, D., Cuenca Zaldivar, J.N., Calvo, S. et al. (2022) Cost-effectiveness of upper extremity dry needling in the rehabilitation of patients with stroke. Acupuncture in medicine : journal of the British Medical Acupuncture Society 40(2): 160-168	- Population not in PICO <i>People with stroke aged 66.2 years</i>
Flachenecker, P. (2013) A new multiple sclerosis spasticity treatment option: Effect in everyday clinical practice and cost-effectiveness in Germany. Expert Review of Neurotherapeutics 13(3suppl1): 15-19	- Intervention not in PICO
Freeman, Jennifer, Hendrie, Wendy, Jarrett, Louise et al. (2019) Assessment of a home-based standing frame programme in people with progressive multiple sclerosis (SUMS):	- Intervention not in PICO

Study	Code [Reason]
a pragmatic, multi-centre, randomised, controlled trial and cost-effectiveness analysis. The Lancet. Neurology 18(8): 736-747	
Galvin, Miriam, Ryan, Padhraig, Maguire, Sinead et al. (2017) The path to specialist multidisciplinary care in amyotrophic lateral sclerosis: A population- based study of consultations, interventions and costs. PloS one 12(6): e0179796	- Cost analysis
Gandolfi, M., Geroi, C., Dimitrova, E. et al. (2017) Virtual Reality Telerehabilitation for Postural Instability in Parkinson's Disease: A Multicenter, Single-Blind, Randomized, Controlled Trial. BioMed Research International 2017: 7962826	- Narrow perspective <i>The analysis took a very narrow perspective, including only intervention costs.</i>
Garcia-alvarez, D.; Sempere-rubio, N.; Faubel, R. (2021) Economic evaluation in neurological physiotherapy: A systematic review. Brain Sciences 11(2): 1-13	- Systematic review (all relevant primary studies included)
Gil-Jardine, C., Payen, J.-F., Bernard, R. et al. (2023) Management of patients suffering from mild traumatic brain injury 2023. Anaesthesia Critical Care and Pain Medicine 42(4): 101260	- Nothing on costs
Giovannoni, G., Butzkueven, H., Dhib-Jalbut, S. et al. (2015) Time matters in multiple sclerosis-international consensus recommendations on diagnosis, management and access to treatment. Multiple Sclerosis 23(11suppl1): 801-802	- Conference abstract
Gras, A. and Broughton, J. (2016) A cost-effectiveness model for the use of a cannabis-derived oromucosal spray for the treatment of spasticity in multiple sclerosis. Expert Review of Pharmacoeconomics and Outcomes Research 16(6): 771-779	- Intervention not in PICO
Griesbach, G.S., Kreber, L.A., Harrington, D. et al. (2015) Post-acute traumatic brain injury rehabilitation: Effects on outcome measures and life care costs. Journal of Neurotrauma 32(10): 704-711	- US study

Study	Code [Reason]
Grieve, R, Sadique, Z, Gomes, M et al. (2016) An evaluation of the clinical and cost-effectiveness of alternative care locations for critically ill adult patients with acute traumatic brain injury. British journal of neurosurgery 30(4): 388-96	- Intervention not in PICO
Guillon, M.; Rochaix, L.; Dupont, J.-C.K. (2018) Cost-effectiveness of interventions based on physical activity in the treatment of chronic conditions: A systematic literature review. International Journal of Technology Assessment in Health Care 34(5): 481-497	- Systematic review (all relevant primary studies included)
Hammond, F.M., Gassaway, J., Abeyta, N. et al. (2012) Outcomes of social work and case management services during inpatient spinal cord injury rehabilitation: The SCIR rehab project. Journal of Spinal Cord Medicine 35(6): 611-623	- Population not in PICO <i>People with spinal cord injury during acute inpatient rehabilitation</i>
Harris, S.; Fitzsimmons, D.; Das Nair, R. (2023) Cost-effectiveness in Multiple Sclerosis using generic and disease-specific quality of life measures: Results from CRAMMS trial. Multiple Sclerosis Journal 29(3supplement): 774-775	- Conference abstract
Henderson, C., Knapp, M., Fernandez, J. L. et al. (2013) Cost effectiveness of telehealth for patients with long term conditions (Whole Systems Demonstrator telehealth questionnaire study): nested economic evaluation in a pragmatic, cluster randomised controlled trial. Bmj 346: f1035	- Population not in PICO <i>People with heart failure, chronic obstructive pulmonary disease, or diabetes</i>
Hernandez Herrero, D., Abdel Muti Garcia, E., Lopez Araujo, J. et al. (2022) Cost of peripheral facial palsy treatment with Botulinum Toxin type A. Journal of Plastic, Reconstructive and Aesthetic Surgery 75(1): 271-277	- Population not in PICO
Hesse, S., Hess, A., Werner C, C. et al. (2014) Effect on arm function and cost of robot-assisted group therapy in subacute patients with stroke and a moderately to severely affected arm: a randomized controlled trial. Clinical rehabilitation 28(7): 637-647	- Population not in PICO <i>People with stroke aged 18 – 90 years</i>

Study	Code [Reason]
Hillier, S., English, C., Bernhardt, J. et al. (2014) Free communications 3: Multidisciplinary rehabilitation circuit class and 7-day week therapy for increasing rehabilitation intensity of therapy after stroke (circuit): Six month follow-up and cost analysis of the circuit RCT. International Journal of Stroke 9(suppl3): 21	- Conference abstract
Hind, Daniel, Parkin, James, Whitworth, Victoria et al. (2017) Aquatic therapy for children with Duchenne muscular dystrophy: a pilot feasibility randomised controlled trial and mixed-methods process evaluation. Health technology assessment (Winchester, England) 21(27): 1-120	- Feasibility study <i>Very small study sample, N=12 at baseline, N=9 at 6-month follow-up, with only 1 participant in the control group</i>
Hornby, T.G., Rafferty, M.R., Pinto, D. et al. (2021) Cost-Effectiveness of High-intensity Training vs Conventional Therapy for Individuals With Subacute Stroke. Archives of Physical Medicine and Rehabilitation	- Population not in PICO <i>People with stroke aged 18-75 years</i>
Howard, S.W., Zhang, Z., Buchanan, P. et al. (2017) The Effect of a Comprehensive Care Transition Model on Cost and Utilization for Medically Complex Children With Cerebral Palsy. Journal of pediatric health care : official publication of National Association of Pediatric Nurse Associates & Practitioners 31(6): 634-647	- Population not in PICO <i>Children with cerebral palsy</i>
Howard-Wilsher, S., Irvine, L., Fan, H. et al. (2016) Systematic overview of economic evaluations of health-related rehabilitation. Disability and Health Journal 9(1): 11-25	- Systematic review (all relevant primary studies included)
Howe, E.I., Andelic, N., Fure, S.C.R. et al. (2022) Cost-effectiveness analysis of combined cognitive and vocational rehabilitation in patients with mild-to-moderate TBI: results from a randomized controlled trial. BMC health services research 22(1): 185	- Intervention not in PICO (this was included in review question 5.3)
Humphreys I, Thomas S, Phillips C, Lincoln N (2014) Cost analysis of the Communication and Low Mood (CALM) randomised trial of behavioural therapy for stroke patients with aphasia. Clinical Rehabilitation: epub	- Population not in PICO <i>Adults</i>

Study	Code [Reason]
Humphreys, I., Thomas, S., Phillips, C. et al. (2014) Cost analysis of the Communication and Low Mood (CALM) randomised trial of behavioural therapy for stroke patients with aphasia. Clinical Rehabilitation: epub	- Population not in PICO <i>Adults</i>
Humphreys, I., Thomas, S., Phillips, C. et al. (2014) Cost analysis of the Communication and Low Mood (CALM) randomised trial of behavioural therapy for stroke patients with aphasia. Clinical Rehabilitation: epub	- Population not in PICO <i>People with stroke with the mean age of 67 years</i>
Imms, C.; Wallen, M.; Laver, K. (2015) Robot assisted upper limb therapy combined with upper limb rehabilitation was at least as effective on a range of outcomes, and cost less to deliver, as an equal dose of upper limb rehabilitation alone for people with stroke. Australian occupational therapy journal 62(1): 74-76	- Conference abstract <i>Synopsis and population were adults with stroke</i>
Islam, M.K. and Brunner, I. (2019) Cost-Analysis of virtual reality training based on the Virtual Reality for Upper Extremity in Subacute stroke (VIRTUES) trial. International Journal of Technology Assessment in Health Care 35(5): 373-378	- Does not meet chronic definition <i>Within the first 3 months after suffering a stroke</i>
Jacobs, M., Briley, P.M., Wright, H.H. et al. (2021) Marginal assessment of the cost and benefits of aphasia treatment: Evidence from community-based telerehabilitation treatment for aphasia. Journal of telemedicine and telecare: 1357633x20982773	- US study
Jacobs, M. and Ellis, C. (2021) Estimating the cost and value of functional changes in communication ability following telepractice treatment for aphasia. PLoS ONE 16(9september): e0257462	- US study
Javanbakht, M., Mashayekhi, A.M., Hemami, M.M.R. et al. (2019) High frequency chest wall oscillation system compared with manual chest wall physiotherapy for managing airway clearance in patients with complex neurological disorders: A UK-based cost-	- Conference abstract

Study	Code [Reason]
effectiveness analysis. European Respiratory Journal 54(supplement63)	
Joanna, Leaviss, Sarah, Davis, Shijie, Ren et al. (2020) Behavioural modification interventions for medically unexplained symptoms in primary care: systematic reviews and economic evaluation.	- Population not in PICO <i>Focus on somatoform disorders, chronic unexplained pain and functional somatic syndromes</i>
Jonsson, Emma, Hansson-Hedblom, Amanda, Kirketeig, Terje et al. (2020) Cost and Health Outcomes Patterns in Patients Treated With Spinal Cord Stimulation Following Spine Surgery-A Register-Based Study. Neuromodulation : journal of the International Neuromodulation Society 23(5): 626-633	- Population not in PICO
Joseph, C., Brodin, N., Leavy, B. et al. (2019) Cost-effectiveness of the HiBalance training program for elderly with Parkinson's disease: analysis of data from a randomized controlled trial. Clinical rehabilitation 33(2): 222-232	- Narrow perspective <i>The analysis took a very narrow perspective, including only intervention and indirect (patient-related) costs.</i>
Juckes, F.M., Marceniuk, G., Seary, C. et al. (2019) A cohort study of functional electrical stimulation in people with multiple sclerosis demonstrating improvements in quality of life and cost-effectiveness. Clinical rehabilitation 33(7): 1163-1170	- Narrow perspective
Kabrhel, C., Ali, A., Choi, J.G. et al. (2017) Systemic Thrombolysis, Catheter-Directed Thrombolysis, and Anticoagulation for Intermediate-risk Pulmonary Embolism: A Simulation Modeling Analysis. Academic Emergency Medicine 24(10): 1235-1243	- Intervention not in PICO
Keetley, R., Kelly, L., Whitehouse, W.P. et al. (2020) Early discharge and rehabilitation in paediatric acquired brain and neurological injury: A transferable model. Archives of Disease in Childhood: Education and Practice Edition 105(1): 41-44	- Intervention not in PICO <i>Service configuration</i> - Narrow perspective <i>Only costed bed days saved</i>
Kim, J., Godecke, E., Sookram, G. et al. (2021) The cost effectiveness of intensive	- Population not in PICO <i>People with stroke aged over 18 years</i>

Study	Code [Reason]
aphasia therapy after stroke. International Journal of Stroke 16(1suppl): 16-17	
Kim, J., Rose, M., Pierce, J. et al. (2023) Cost effectiveness of Constraint-induced and Multimodality Aphasia Therapy compared to standard chronic post-stroke aphasia care. International Journal of Stroke 18(2supplement): 35-36	- Conference abstract
Kim, J, Sookram, G, Godecke, E et al. (2023) Economic evaluation of the Very Early Rehabilitation in SpEEch (VERSE) intervention. Topics in stroke rehabilitation: 1-10	- Population not in PICO <i>The mean age was 72 years</i>
Kiropoulos, L.; Kilpatrick, T.; Holmes, A. (2015) A pilot randomized controlled trial of a tailored cognitive behavioural therapy based intervention for depression in those newly diagnosed with multiple sclerosis. Multiple Sclerosis 21(14): 12	- Conference abstract
Kumar, Srishti, Shen, Julia W, Grimes, David et al. (2021) Return on Investment Analysis for the Integrated Parkinson's Care Network: Lesson Learned from a Pilot Study. Journal of Parkinson's disease 11(4): 2085-2091	- Intervention not in PICO <i>Clinical care integrator to define a personal care plan for the participant and provide education about living with Parkinson's disease and healthy living</i>
Lamichhane, D. and Armstrong, M. (2015) Systematic review of Parkinson's disease related mobile applications. Neurology 84(suppl14)	- Conference abstract
Latimer, N. R.; Dixon, S.; Palmer, R. (2013) Cost-utility of self-managed computer therapy for people with aphasia. International Journal of Technology Assessment in Health Care 29(4): 402-409	- Population not in PICO <i>Aphasia post-stroke</i>
Lazzaro, C., Baricich, A., Picelli, A. et al. (2020) AbobotulinumtoxinA and rehabilitation vs rehabilitation alone in post-stroke spasticity: A cost-utility analysis. Journal of rehabilitation medicine 52(2)	- Population not in PICO
Li, F. and Harmer, P. (2013) Tai Chi training to reduce falls in patients with Parkinson's	- Conference abstract

Study	Code [Reason]
disease - A cost-effectiveness analysis. Movement Disorders 28(suppl1): 104	
Liu, Z., Huang, J., Xu, Y. et al. (2021) Cost-effectiveness of speech and language therapy plus scalp acupuncture versus speech and language therapy alone for community-based patients with Broca's aphasia after stroke: A post hoc analysis of data from a randomised controlled trial. BMJ Open 11(9): e046609	- Population not in PICO <i>People with stroke aged between 18 and 80 years</i>
Llorens, R., Noe, E., Colomer, C. et al. (2014) Effectiveness, usability, and cost-benefit of a virtual reality-based telerehabilitation program for balance recovery after stroke: a randomized controlled trial. Archives of Physical Medicine and Rehabilitation: epub	- Population not in PICO <i>People with stroke aged ≥ 40 and ≤ 75 years</i>
Llorens, R., Noe, E., Colomer, C. et al. (2014) Effectiveness, usability, and cost-benefit of a virtual reality-based telerehabilitation program for balance recovery after stroke: a randomized controlled trial. Archives of Physical Medicine and Rehabilitation: epub	- Duplicate
Llorens, R., Noe, E., Colomer, C. et al. (2015) Effectiveness, usability, and cost-benefit of a virtual reality-based telerehabilitation program for balance recovery after stroke: A randomized controlled trial. Archives of Physical Medicine and Rehabilitation 96(3): 418	- Population not in PICO <i>People with stroke aged ≥ 40 and ≤ 75 years</i>
Lo, K.; Stephenson, M.; Lockwood, C. (2019) The economic cost of robotic rehabilitation for adult stroke patients: A systematic review. JBI Database of Systematic Reviews and Implementation Reports 17(4): 520-547	- Population not in PICO <i>Adult stroke patients</i>
Lorenz, L.S. and Doonan, M. (2021) Value and Cost Savings From Access to Multi-disciplinary Rehabilitation Services After Severe Acquired Brain Injury. Frontiers in public health 9: 753447	- Systematic review (all relevant primary studies included)
Lu, J., Roe, C., Aas, E. et al. (2013) Traumatic brain injury: Methodological	- Systematic review (all relevant primary studies included)

Study	Code [Reason]
approaches to estimate health and economic outcomes. Journal of Neurotrauma 30(23): 1925-1933	
McNaughton, H (2017) Self-directed rehabilitation randomised controlled trial after stroke: a practical, low cost programme. The Taking Charge after Stroke (TaCAS) study.	- Intervention not in PICO
Mitchell, E., Ahern, E., Saha, S. et al. (2022) Value of Nonpharmacological Interventions for People With an Acquired Brain Injury: A Systematic Review of Economic Evaluations. Value in Health 25(10): 1778-1790	- Systematic review (all relevant primary studies included)
Morliere, Camille, Verpillot, Elise, Donon, Laurence et al. (2015) A cost-utility analysis of sacral anterior root stimulation (SARS) compared with medical treatment in patients with complete spinal cord injury with a neurogenic bladder. The spine journal : official journal of the North American Spine Society 15(12): 2472-83	- Intervention not in PICO
Mortimer, D., Trevena-Peters, J., McKay, A. et al. (2019) Economic Evaluation of Activities of Daily Living Retraining During Posttraumatic Amnesia for Inpatient Rehabilitation Following Severe Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation 100(4): 648-655	- Does not meet chronic definition <i>Does not meet the chronic definition, as rehabilitation was initiated on average 16 days post-injury.</i>
Moss-Morris, R., Bogosian, A., Chadwick, P. et al. (2015) A pilot randomized controlled trial of the clinical and cost effectiveness of a skype delivered group mindfulness intervention for distressed people with progressive multiple sclerosis. Psychosomatic Medicine 77(3): a20-a21	- Conference abstract
Moss-Morris, R., McCrone, P., Yardley, L. et al. (2012) A pilot randomised controlled trial of an internet-based cognitive behavioural therapy self-management programme (MS Invigor8) for multiple sclerosis fatigue. Behaviour Research and Therapy 50(6): 415-421	- Prior to 2013

Study	Code [Reason]
Mosweu, I., Moss-Morris, R., Dennison, L. et al. (2013) Cost-effectiveness of cognitive behavioural therapy for adjustment to multiple sclerosis. <i>Journal of Mental Health Policy and Economics</i> 16(suppl1): 26	- Conference abstract
Mulders, A.E.P., Moonen, A.J.H., Dujardin, K. et al. (2018) Cognitive behavioural therapy for anxiety disorders in Parkinson's disease: Design of a randomised controlled trial to assess clinical effectiveness and changes in cerebral connectivity. <i>Journal of Psychosomatic Research</i> 112: 32-39	- Protocol
Naess, H.L., Vikane, E., Wehling, E.I. et al. (2020) Effect of Early Interdisciplinary Rehabilitation for Trauma Patients: A Systematic Review. <i>Archives of Rehabilitation Research and Clinical Translation</i> 2(4): 100070	- Systematic review (all relevant primary studies included)
Nagayama, H., Tomori, K., Ohno, K. et al. (2017) Cost effectiveness of the occupation-based approach for subacute stroke patients: Result of a randomized controlled trial. <i>Topics in Stroke Rehabilitation</i> 24(5): 337-344	- Population not in PICO
NCT05837520 (2023) i-BiSSkApp for Swallowing Rehabilitation in Parkinson's Disease. https://clinicaltrials.gov/show/NCT05837520	- Protocol
Niyomsri, Siwaporn, Duarte, Rui V, Eldabe, Sam et al. (2020) A Systematic Review of Economic Evaluations Reporting the Cost-Effectiveness of Spinal Cord Stimulation. <i>Value in health : the journal of the International Society for Pharmacoeconomics and Outcomes Research</i> 23(5): 656-665	- Population not in PICO
Oddy, M. and Da Silva Ramos, S. (2013) Cost effective ways of facilitating home based rehabilitation and support. <i>NeuroRehabilitation</i> 32(4): 781-790	- Systematic review (all relevant primary studies included) <i>Only includes some costs on a case study</i>
Oddy, M. and Da Silva Ramos, S. (2013) The clinical and cost-benefits of investing in neurobehavioural rehabilitation: A multi-	- Intervention not in PICO

Study	Code [Reason]
centre study. Brain Injury 27(1314): 1500-1507	
Oestergaard, L. G., Christensen, F. B., Nielsen, C. V. et al. (2013) Early versus late initiation of rehabilitation after lumbar spinal fusion: economic evaluation alongside a randomized controlled trial. Spine 38(23): 1979-1985	- Population not in PICO <i>Majority with degenerative disc disease</i>
Parsons, M., Parsons, J., Pillai, A. et al. (2020) Post-Acute Care for Older People Following Injury: A Randomized Controlled Trial. Journal of the American Medical Directors Association 21(3): 404	- Population not in PICO <i>Majority with hip fracture</i>
Peiris, C.L., Shields, N., Brusco, N.K. et al. (2018) Additional Physical Therapy Services Reduce Length of Stay and Improve Health Outcomes in People With Acute and Subacute Conditions: An Updated Systematic Review and Meta-Analysis. Archives of Physical Medicine and Rehabilitation 99(11): 2299-2312	- Population not in PICO <i>Patients following a fall, surgery, stroke, or cardiac event</i>
Phillips CJ, Phillips R, Main CJ, Watson PJ, Davies S, Farr A, Harper C, Noble G, Aylward M, Packman J, Downton M, Hale J (2012) The cost effectiveness of NHS physiotherapy support for occupational health (OH) services. BMC Musculoskeletal Disorders 1329	- Population not in PICO <i>Musculoskeletal Pain</i>
Pinto, D., Garnier, M., Barbas, J. et al. (2020) Budget impact analysis of robotic exoskeleton use for locomotor training following spinal cord injury in four SCI Model Systems. Journal of NeuroEngineering and Rehabilitation 17(1): 4	- US study
Pinto, D., Heinemann, A.W., Chang, S.-H. et al. (2023) Cost-effectiveness analysis of overground robotic training versus conventional locomotor training in people with spinal cord injury. Journal of NeuroEngineering and Rehabilitation 20(1): 10	- US study
Ponzio, M., Tacchino, A., Battaglia, M.A. et al. (2015) Multiple sclerosis and	- Conference abstract

Study	Code [Reason]
rehabilitation: An overview on cost due to rehabilitation and use of different rehabilitation setting in Italy. Multiple Sclerosis 21(4): 495	
Radford, K., Phillips, J., Drummond, A. et al. (2013) Return to work after traumatic brain injury: Cohort comparison and economic evaluation. Brain Injury 27(5): 507-520	- Does not meet chronic definition
Radford, K., Sutton, C., Sach, T. et al. (2018) Early, specialist vocational rehabilitation to facilitate return to work after traumatic brain injury: The FRESH feasibility RCT. Health Technology Assessment 22(33): 1-123	- Does not meet chronic definition
Renfrew, L.M., Paul, L., McFadyen, A. et al. (2019) The clinical- and cost-effectiveness of functional electrical stimulation and ankle-foot orthoses for foot drop in Multiple Sclerosis: a multicentre randomized trial. Clinical rehabilitation 33(7): 1150-1162	- Narrow perspective <i>Considered only intervention costs</i>
Richardson, G., Epstein, D., Chew-Graham, C. et al. (2013) Cost-effectiveness of supported self-management for CFS/ME patients in primary care. BMC Family Practice 14: 12	- Population not in PICO <i>Chronic fatigue syndrome/myalgic encephalitis</i>
Rodgers, H., Bhattarai, N., McMeekin, P. et al. (2019) Evaluation of an extended stroke rehabilitation service (extras): Cost-effectiveness results. European Stroke Journal 4(supplement1): 93	- Population not in PICO <i>People with stroke with a mean age of 71</i>
Rogante, M., Kairy, D., Giacomozzi, C. et al. (2015) A quality assessment of systematic reviews on telerehabilitation: what does the evidence tell us?. Annali dell'Istituto superiore di sanita 51(1): 11-18	- Systematic review (all relevant primary studies included)
Sahota, O., Pulikottil-Jacob, R., Marshall, F. et al. (2016) Comparing the cost-effectiveness and clinical effectiveness of a new community in-reach rehabilitation service with the cost-effectiveness and clinical effectiveness of an established hospital-based rehabilitation service for older people: a pragmatic randomised controlled trial with microcost and qualitative	- Population not in PICO <i>Older people admitted to general medical wards</i>

Study	Code [Reason]
analysis – the Community In-reach Rehabilitation And Care Transition (CIRACT) study.	
Saiyed, M., Hill, A.J., Russell, T.G. et al. (2020) Cost analysis of home telerehabilitation for speech treatment in people with Parkinson's disease. Journal of telemedicine and telecare: 1357633x20948302	- Cost analysis
Saulino, Michael, Guillemette, Scott, Leier, Jacqueline et al. (2015) Medical cost impact of intrathecal baclofen therapy for severe spasticity. Neuromodulation : journal of the International Neuromodulation Society 18(2): 141-149	- US study
Seritan, A., Iosif, A.-M., Wang, S. et al. (2021) "You Can't Stop the Waves but You Can Learn to Surf": Mindfulness-Based Cognitive Therapy for People with Parkinson's Disease. American Journal of Geriatric Psychiatry 29(4supplement): 132-s134	- Conference abstract
Shackley, P., Shaw, L., Price, C. et al. (2012) Cost-effectiveness of treating upper limb spasticity due to stroke with botulinum toxin type A: results from the Botulinum Toxin for the Upper Limb after Stroke (BoTULS) trial. Toxins 4(12): 1415-1426	- Population not in PICO <i>Adults with stroke</i>
Sharan, Deepak, Rajkumar, Joshua Samuel, Balakrishnan, Rajarajeshwari et al. (2016) Effectiveness of a low-cost body weight support training device in the rehabilitation of cerebral palsy. Journal of rehabilitation and assistive technologies engineering 3: 2055668316676047	- Population not in PICO <i>People with cerebral palsy</i>
Shaw, M.T., Best, P., Frontario, A. et al. (2021) Telerehabilitation benefits patients with multiple sclerosis in an urban setting. Journal of telemedicine and telecare 27(1): 39-45	- Narrow perspective <i>Travel costs only</i>
Simic, G. (2019) Rare diseases and omics-driven personalized medicine. Croatian Medical Journal 60(6): 485-487	- Population not in PICO

Study	Code [Reason]
Singh, R., Sinha, S., Bill, A. et al. (2017) Unmet need for specialised rehabilitation following neurosurgery: can we maximise the potential cost-benefits?. <i>British Journal of Neurosurgery</i> 31(2): 249-253	- Population not in PICO <i>A mix of neurosurgical cases that include TBI, vascular, oncology, spinal pathology</i>
Sinnott, P.L., Joyce, V., Su, P. et al. (2014) Cost-effectiveness of supported employment for veterans with spinal cord injuries. <i>Archives of Physical Medicine and Rehabilitation</i> 95(7): 1254-1261	- US study
Smilowska, Katarzyna, van Wamelen, Daniel J, Pietrzykowski, Tomasz et al. (2021) Cost-Effectiveness of Device-Aided Therapies in Parkinson's Disease: A Structured Review. <i>Journal of Parkinson's disease</i> 11(2): 475-489	- Systematic review (all relevant primary studies included)
Solana, J., Caceres, C., Garcia-Molina, A. et al. (2015) Improving brain injury cognitive rehabilitation by personalized telerehabilitation services: Guttman neuropsychological trainer. <i>IEEE Journal of Biomedical and Health Informatics</i> 19(1): 124-131	- Narrow perspective
Standen, PJ, Threapleton, K, Connell, L et al. (2013) A low cost virtual reality system for home based rehabilitation of the upper limb following stroke: a randomised controlled feasibility trial. <i>International journal of stroke</i> 8suppl3: 29	- Population not in PICO <i>People with stroke aged 18 or over</i>
Steendam-Oldekamp, E.; Rutgers, W.; Van Laar, T. (2017) Multidisciplinary Parkinson's rehabilitation delays nursing home admission and is cost-effective. <i>Movement Disorders</i> 32(supplement2): 487-488	- Conference abstract
Stolwyk, R.J., Gooden, J.R., Kim, J. et al. (2021) What is known about the cost-effectiveness of neuropsychological interventions for individuals with acquired brain injury? A scoping review. <i>Neuropsychological rehabilitation</i> 31(2): 316-344	- Systematic review (all relevant primary studies included)
Street, T.; Swain, I.; Taylor, P. (2016) Quality of life and cost effectiveness	- Conference abstract

Study	Code [Reason]
following the use of Functional Electrical Stimulation (FES) of the peroneal nerve for people with multiple sclerosis. Multiple Sclerosis 22(supplement3): 865	
Sturkenboom, I, Graff, M, Veenhuizen, Y et al. (2013) The effectiveness of occupational therapy in Parkinson's disease. Journal of Parkinson's disease 3: 157	- Conference abstract
Sutton, B.S., Ottomanelli, L., Njoh, E. et al. (2020) Economic evaluation of a supported employment program for veterans with spinal cord injury. Disability and rehabilitation 42(10): 1423-1429	- US study
Tam, A.; Mac, S.; Bayley, M. (2017) Cost-effectiveness evaluation of an early access, high intensity, outpatient stroke rehabilitation program at Toronto rehabilitation institute. International Journal of Stroke 12(4supplement1): 17	- Conference abstract
Tam, A., Mac, S., Isaranuwatthai, W. et al. (2019) Cost-effectiveness of a high-intensity rapid access outpatient stroke rehabilitation program. International journal of rehabilitation research. Internationale Zeitschrift für Rehabilitationsforschung. Revue internationale de recherches de readaptation 42(1): 56-62	- Intervention not in PICO
Taylor, P.; Humphreys, L.; Swain, I. (2013) The long-term cost-effectiveness of the use of Functional Electrical Stimulation for the correction of dropped foot due to upper motor neuron lesion. Journal of rehabilitation medicine : official journal of the UEMS European Board of Physical and Rehabilitation Medicine 45(2): 154-160	- Narrow perspective <i>Intervention costs only</i>
Taylor, P.; Humphreys, L.; Swain, I. (2014) A 15 year cost-effectiveness study of the use of FES for the correction of dropped foot in multiple sclerosis. Multiple Sclerosis 20(7): 1001-1002	- Conference abstract
Te Ao, B.; Mcnaughton, H.; Fu, V. (2019) Taking charge after stroke: Cost effectiveness analysis of a randomised controlled trial of a person-centred	- Conference abstract

Study	Code [Reason]
intervention to promote self-rehabilitation. European Stroke Journal 4(supplement1): 93	
Theologis, A.A., Lau, D., Dalle-Ore, C. et al. (2021) Costs and utility of post-discharge acute inpatient rehabilitation following adult spinal deformity surgery. Spine Deformity 9(3): 817-822	- Intervention not in PICO <i>Rehabilitation versus no rehabilitation</i>
Thomas, S. A., Drummond, A. E., Lincoln, N. B. et al. (2019) Behavioural Activation Therapy for Depression after Stroke (BEADS): a feasibility randomised controlled pilot trial of a psychological intervention for post-stroke depression.	- Population not in PICO <i>Adults</i>
Thomas, S., Fazakarley, L., Thomas, P.W. et al. (2017) Mii-vitaliSe: A pilot randomised controlled trial of a home gaming system (Nintendo Wii) to increase activity levels, vitality and well-being in people with multiple sclerosis. BMJ Open 7(9): e016966	- Intervention not in PICO
Tirschwell, D., Marks, D., Macdonald, L. et al. (2017) Cost effectiveness of percutaneous closure of a patent foramen ovale to reduce the risk of recurrent ischemic stroke in patients who have had a cryptogenic stroke due to a presumed paradoxical embolism in the United States. Value in Health 20(5): a8	- Conference abstract
Tosh, J., Dixon, S., Carter, A. et al. (2014) Cost effectiveness of a pragmatic exercise intervention (EXIMS) for people with multiple sclerosis: economic evaluation of a randomised controlled trial. Multiple Sclerosis: epub	- Duplicate
Tosh, J., Dixon, S., Carter, A. et al. (2014) Cost effectiveness of a pragmatic exercise intervention (EXIMS) for people with multiple sclerosis: economic evaluation of a randomised controlled trial. Multiple Sclerosis: epub	- Duplicate
Truchon, C., Fallah, N., Santos, A. et al. (2017) Impact of Therapy on Recovery during Rehabilitation in Patients with	- Does not meet chronic definition

Study	Code [Reason]
Traumatic Spinal Cord Injury. Journal of Neurotrauma 34(20): 2901-2909	
Turcu-Stiolica, A. and Subtirelu, M. (2018) Cost-effectiveness of treating romanian post-stroke patients with upper limb spasticity with incobotulinumtoxin-A against conventional therapy. Value in Health 21(supplement1): 206-s207	- Conference abstract
Turner-Stokes, L., Bavikatte, G., Williams, H. et al. (2016) Cost-efficiency of specialist hyperacute in-patient rehabilitation services for medically unstable patients with complex rehabilitation needs: A prospective cohort analysis. BMJ Open 6(9): e012112	- Non-comparative study
Turner-Stokes, L., Bill, A., Williams, H. et al. (2014) Cost-efficiency of in-patient rehabilitation following acquired brain injury: A multi-centre analysis from the UK Rehabilitation Outcomes Collaborative (UKROC) dataset. Brain Injury 28(56): 584-585	- Conference abstract
Turner-Stokes, L., Dzingina, M., Shavelle, R. et al. (2019) Estimated Life-Time Savings in the Cost of Ongoing Care Following Specialist Rehabilitation for Severe Traumatic Brain Injury in the United Kingdom. Journal of Head Trauma Rehabilitation 34(4): 205-214	- Intervention not in PICO
Turner-Stokes, L., Harding, R., Yu, P. et al. (2020) Cost-efficiency of specialist inpatient rehabilitation for adults with multiple sclerosis: A multicentre prospective cohort analysis of the UK Rehabilitation Outcomes Collaborative national clinical dataset for rehabilitation centres in England. Multiple Sclerosis Journal - Experimental, Translational and Clinical 6(1)	- Intervention not in PICO
Turner-Stokes, L., Williams, H., Bill, A. et al. (2016) Cost-efficiency of specialist inpatient rehabilitation for working-aged adults with complex neurological disabilities: A multicentre cohort analysis of a national clinical data Set. BMJ Open 6(2): e010238	- Intervention not in PICO

Study	Code [Reason]
van der Marck, Marjolein A, Munneke, Marten, Mulleners, Wim et al. (2013) Integrated multidisciplinary care in Parkinson's disease: a non-randomised, controlled trial (IMPACT). The Lancet. Neurology 12(10): 947-56	- Intervention not in PICO
van Mastrigt, G.A., Evers, S.M., Heerings, M. et al. (2019) An economic evaluation attached to a single-centre, parallel group, unmasked, randomized controlled trial of a 3-day intensive social cognitive treatment (can do treatment) in patients with relapsing remitting multiple sclerosis and low disability. Journal of Medical Economics 22(10): 967-980	- Intervention not in PICO (this was included in 5.4)
van Nooten, F E, Winnette, R, Stein, R et al. (2015) Resource utilization and productivity loss in persons with spina bifida-an observational study of patients in a tertiary urology clinic in Germany. European journal of neurology 22(1): 53-8	- Nothing on costs
van Ravesteijn, Hiske, Grutters, Janneke, olde Hartman, Tim et al. (2013) Mindfulness-based cognitive therapy for patients with medically unexplained symptoms: a cost-effectiveness study. Journal of psychosomatic research 74(3): 197-205	- Population not in PICO <i>People with medically unexplained symptoms</i>
Verhoef, J. A., Miedema, H. S., van Meeteren, J. et al. (2013) A new intervention to improve work participation of young adults with physical disabilities: a feasibility study. Developmental Medicine and Child Neurology 55(8): 722-728	- Population not in PICO <i>Small feasibility study (N=12) with a mix of chronic conditions. More than half of the sample with not relevant conditions, e.g. cerebral palsy, spina bifida, and chronic obstructive pulmonary disease.</i>
Vestri, A., Pizzighello, S., Piccoli, S. et al. (2017) Benefits of Centralized Scheduling in a Postacute Residential Rehabilitation Program for People With Acquired Brain Lesions: A Pilot Study. Archives of Physical Medicine and Rehabilitation 98(4): 746-750	- US study
Wales, K., Lang, D., Rahja, M. et al. (2022) Economic Effects of Occupational Therapy Services for Adults in Acute and Subacute Care Settings: A Systematic Review. The	- Systematic review (all relevant primary studies included)

Study	Code [Reason]
American journal of occupational therapy : official publication of the American Occupational Therapy Association 76(1)	
Walker, M (2015) A Low Cost Virtual Reality System for Home Based Rehabilitation of the Upper Limb Following Stroke (WiiSTAR).	- Population not in PICO <i>Patients aged 18 or over</i>
Wenke, R., Lawrie, M., Hobson, T. et al. (2014) Feasibility and cost analysis of implementing high intensity aphasia clinics within a sub-acute setting. International journal of speech-language pathology 16(3): 250-259	- Narrow perspective <i>Considered only intervention costs</i>
Weppner, J.L.; Linsenmeyer, M.A.; Wagner, A.K. (2021) Effects of an acute care brain injury medicine continuity consultation service on health care utilization and rehabilitation outcomes. PM and R 13(11): 1227-1236	- Population not in PICO <i>Patients who survived severe brain injury and received Brain Injury Medicine Continuity Consultation Service during their acute-care hospitalisation</i>
Winser, S., Lee, S.H., Law, H.S. et al. (2019) Economic evaluations of physiotherapy interventions for neurological disorders: a systematic review. Disability and rehabilitation 42(7): 892-901	- Systematic review (all relevant primary studies included)
Winser, S., Lee, S.H., Law, H.S. et al. (2019) Cost-effectiveness of physiotherapy interventions in neurological rehabilitation: a systematic review of economic evaluation. Physiotherapy (United Kingdom) 105(supplement1): e130-e131	- Conference abstract
Winser, S.J., Paul, L.F., Magnus, L.K.L. et al. (2019) Economic evaluation of exercise-based fall prevention programs for people with Parkinson's disease: A systematic review. Journal of Alternative and Complementary Medicine 25(12): 1225-1237	- Systematic review (all relevant primary studies included)
Worthen-Chaudhari, L. (2015) Effectiveness, Usability, and Cost-Benefit of a Virtual Reality-Based Telerehabilitation Program for Balance Recovery after Stroke: A Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation 96(8): 1544	- Population not in PICO <i>People with stroke aged ≥ 40 and ≤ 75 years</i>

Study	Code [Reason]
Wortman, Margreet S H, Lokkerbol, Joran, van der Wouden, Johannes C et al. (2018) Cost-effectiveness of interventions for medically unexplained symptoms: A systematic review. PloS one 13(10): e0205278	- Population not in PICO <i>Medically unexplained symptoms and functional somatic syndromes as opposed to neurological conditions</i>
Wu, J., Faux, S.G., Harris, I. et al. (2016) Integration of trauma and rehabilitation services is the answer to more cost-effective care. ANZ journal of surgery 86(11): 900-904	- Intervention not in PICO <i>Transferring patients to an external rehabilitation service from a designated trauma service versus providing the same care by the 'in-house' rehabilitation service</i>
Xi, Min, Shen, XiaoWei, Guliyeva, Kamilla et al. (2021) Cost-utility analysis of transcranial direct current stimulation therapy with and without virtual illusion for neuropathic pain for adults with spinal cord injury in Canada. The journal of spinal cord medicine 44(sup1): 159-s172	- Population not in PICO
Xin, Y., Ashburn, A., Seymour, K.C. et al. (2018) Cost-Effectiveness of the Pdsafe Home-Based Personalized Physiotherapy Intervention to Prevent Falls Among People with Parkinson's: an Economic Evaluation Alongside a Randomised Controlled Trial. Value in Health 21(supplement2): 93-s94	- Conference abstract
Xin, Yiqiao, Ashburn, Ann, Pickering, Ruth M et al. (2020) Cost-effectiveness of the PDSAFE personalised physiotherapy intervention for fall prevention in Parkinson's: an economic evaluation alongside a randomised controlled trial. BMC neurology 20(1): 295	- Intervention not in PICO
Yardley, L., Barker, F., Muller, I. et al. (2012) Clinical and cost effectiveness of booklet based vestibular rehabilitation for chronic dizziness in primary care: single blind, parallel group, pragmatic, randomised controlled trial. Bmj 344: e2237	- Population not in PICO <i>Chronic dizziness, unclear diagnosis</i>
Yeroushalmi, S., Maloni, H., Costello, K. et al. (2020) Telemedicine and multiple sclerosis: A comprehensive literature review. Journal of telemedicine and telecare 26(78): 400-413	- Systematic review (all relevant primary studies included) - Narrow perspective

Study	Code [Reason]
	<i>Telemedicine interventions in published literature were classified as either low / medium / high cost by considering costs associated with phone, internet, hardware, webcam or gaming system.</i>
Ypinga, Jan H L, de Vries, Nienke M, Boonen, Lieke H H M et al. (2018) Effectiveness and costs of specialised physiotherapy given via ParkinsonNet: a retrospective analysis of medical claims data. <i>The Lancet. Neurology</i> 17(2): 153-161	- Cost analysis <i>Cost analysis, seems to include only intervention and admissions costs, insufficient reporting</i>
Zhang, Lingling, Lopes, Snehal, Lavelle, Tara et al. (2022) Economic Evaluations of Mindfulness-Based Interventions: a Systematic Review. <i>Mindfulness</i> 13(10): 2359-2378	- Systematic review (all relevant primary studies included)
Zhao, W., Huang, H., Liu, K. et al. (2022) Acupuncture and Moxibustion for Peripheral Neuropathic Pain: A Frequentist Network Meta-Analysis and Cost-Effectiveness Evaluation. <i>Evidence-based Complementary and Alternative Medicine</i> 2022: 6886465	- Non-OECD country <i>China</i>

Review questions F and G (top-up search), and N

There are no excluded studies lists for the following:

- Stage 2, review question F;
- Stage 2, review question G;
- Stage 3, review question N.

This is because all studies were excluded during the initial title and abstract screening stage.

Review questions L and M

Table 3 Excluded economic studies for stage 4 searches (review questions L and M)

Study	Code [Reason]
Bahadur, Sardar; McRann, J; McGilloway, E (2017) Long-term employment outcomes following rehabilitation for significant neurological impairment in UK military	- Only mentions cost

Rehabilitation for chronic neurological disorders including acquired brain injury.
Economic literature FINAL (October 2025)

Study	Code [Reason]
personnel: a 3-year study. Journal of the Royal Army Medical Corps	
Radford, Kate, Phillips, Julie, Drummond, Avril et al. (2013) Return to work after traumatic brain injury: cohort comparison and economic evaluation. Brain injury 27(5): 507-20	- Does not meet chronic definition, i.e., injury is too recent
Radford, Kate, Sutton, Chris, Sach, Tracey et al. (2018) Early, specialist vocational rehabilitation to facilitate return to work after traumatic brain injury: the FRESH feasibility RCT. Health technology assessment (Winchester, England) 22(33): 1-124	- Does not meet chronic definition, i.e., injury is too recent
Sinnott, Patricia L, Joyce, Vilija, Su, Pon et al. (2014) Cost-effectiveness of supported employment for veterans with spinal cord injuries. Archives of physical medicine and rehabilitation 95(7): 1254-61	- US study
Sutton, Bryce S, Ottomanelli, Lisa, Njoh, Eni et al. (2020) Economic evaluation of a supported employment program for veterans with spinal cord injury. Disability and rehabilitation 42(10): 1423-1429	- US study