

Cerebral palsy in adults

Literature search strategies

NICE guideline tbc

Literature search strategies

May 2018

Early submission

*These evidence reviews were developed
by the National Guideline Alliance hosted
by the Royal College of Obstetricians and
Gynaecologists*

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Clinical literature search strategies

A. Management of abnormal muscle tone

This is a combined search strategy and is the same used for all the evidence reviews for the A review questions as listed below.

A1 Pharmacological treatments for spasticity

Review question: Which pharmacological treatments for spasticity (for example, enteral baclofen, tizanidine, diazepam, cannabinoids, and botulinum toxin injections) are most effective for improving motor function, participation and quality of life in adults with cerebral palsy?

A2 Neurosurgical treatments for spasticity

Review question: Are neurosurgical procedures (intrathecal baclofen pump and selective dorsal rhizotomy) effective in adults aged 19 and over with cerebral palsy to reduce spasticity and or dystonia?

A3 Interventions for dystonia

Review question: Which treatments (pharmacological treatment (levodopa, anticholinergic drugs, and botulinum toxin injections), neurosurgical procedure (deep brain stimulation, ITB)) are most effective for managing dystonia in adults with cerebral palsy where dystonia is the predominant abnormality of tone?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present, PsycINFO 1806 to March Week 3 2018

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oomezd
3	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
4	cerebral palsy.ti,ab.
5	little? disease.tw.
6	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
8	or/1-6
9	limit 8 to english language
10	limit 9 to (adult <18 to 64 years> or aged <65+ years>) use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
11	limit 9 to "all adult (19 plus years)" [Limit not valid in Embase; records were retained]
12	11 use prmz

EARLY SUBMISSION

#	Searches
13	or/10,12
14	exp Muscle Spasticity/ use prmz
15	exp spasticity/ use oomezd
16	spastic*.tw.
17	exp Dystonia/
18	dystoni*.ti,ab.
19	abnormal muscle tone.ti,ab.
20	14 or 15 or 16 or 17 or 18 or 19
21	exp Muscle Spasticity/ or exp Dystonia/ or exp Infusion Pumps, Implantable/ or exp Physical Therapy Modalities/ or exp Rhizotomy/ or exp Splints/ or exp Orthotic Devices/ or exp Deep Brain Stimulation/ or exp Baclofen/ad, ae, tu or exp Botulinum Toxins/ad, ae, tu or exp Diazepam/ad, ae, tu or exp Cannabinoids/ad, ae, tu or exp Acetylcholine Release Inhibitors/ad, ae, tu or exp Muscle Relaxants, Central/ad, ae, tu or exp Levodopa/ad, ae, tu or exp Dantrolene/ad, ae, tu or exp Clonazepam/ad, ae, tu or exp Pregabalin/ad, ae, tu or exp Clonidine/ad, ae, tu or exp Trihexyphenidyl/ad, ae, tu or exp Tetrabenazine/ad, ae, tu or exp Anti-Dyskinesia Agents/ad, ae, tu
22	21 use prmz
23	exp implantable infusion pump/ or exp physiotherapy/ or exp dorsal rhizotomy/ or exp splint/ or exp orthosis/ or exp brain depth stimulation/ or exp baclofen/ae, ad, cb, dt or exp botulinum toxin/ae, ad, cb, dt or exp diazepam/ae, ad, cb, dt or exp cannabinoid/ae, ad, cb, dt or exp acetylcholine release inhibitor/ae, ad, cb, dt or exp central muscle relaxant/ae, ad, cb, dt or exp levodopa/ae, ad, cb, dt or exp tizanidine/ae, ad, cb, dt or exp gabapentin/ae, ad, cb, dt or exp dantrolene/ae, ad, cb, dt or exp clonazepam/ae, ad, cb, dt or exp pregabalin/ae, ad, cb, dt or exp clonidine/ae, ad, cb, dt or exp trihexyphenidyl/ae, ad, cb, dt or exp tetrabenazine/ae, ad, cb, dt
24	23 use oomezd
25	(physiotherap* or botulinum or baclofen or tizanidine or intrathecal baclofen pump or gabapentin or levodopa or dantrolene or clonazepam or pregabalin or clonidine or dorsal rhizotomy or tetrabenazine or trihexyphenidyl or lycra or DBS or deep brain stimulat* or splint* or serial cast*).ti,ab.
26	22 or 24 or 25
27	13 and 20
28	13 and 26
29	27 or 28
30	conference abstract.pt. use oomezd
31	letter.pt. or LETTER/ use oomezd
32	Letter/ use prmz
33	EDITORIAL/ use prmz
34	editorial.pt. use oomezd
35	NEWS/ use prmz
36	exp HISTORICAL ARTICLE/ use prmz
37	note.pt. use oomezd
38	ANECDOTES AS TOPIC/ use prmz
39	COMMENT/ use prmz
40	CASE REPORT/ use prmz
41	CASE REPORT/ use oomezd

EARLY SUBMISSION

#	Searches
42	CASE STUDY/ use oomezd
43	(letter or comment* or abstracts).ti.
44	or/30-43
45	RANDOMIZED CONTROLLED TRIAL/ use prmz
46	RANDOMIZED CONTROLLED TRIAL/ use oomezd
47	random*.ti,ab.
48	or/45-47
49	44 not 48
50	ANIMALS/ not HUMANS/ use prmz
51	ANIMAL/ not HUMAN/ use oomezd
52	exp ANIMALS, LABORATORY/ use prmz
53	exp ANIMAL EXPERIMENTATION/ use prmz
54	exp MODELS, ANIMAL/ use prmz
55	exp RODENTIA/ use prmz
56	NONHUMAN/ use oomezd
57	exp ANIMAL EXPERIMENT/ use oomezd
58	exp EXPERIMENTAL ANIMAL/ use oomezd
59	ANIMAL MODEL/ use oomezd
60	exp RODENT/ use oomezd
61	(rat or rats or mouse or mice).ti.
62	or/49-61
63	29 not 62
64	remove duplicates from 63

Database: Cochrane library

Last searched: 22 March 2018

#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Muscle Spasticity] explode all trees
#7	MeSH descriptor: [Dystonia] explode all trees
#8	Dystoni* or spastic*
#9	#6 or #7 or #8
#10	MeSH descriptor: [Baclofen] explode all trees
#11	MeSH descriptor: [Botulinum Toxins] explode all trees
#12	MeSH descriptor: [Diazepam] explode all trees
#13	MeSH descriptor: [Cannabinoids] explode all trees
#14	MeSH descriptor: [Acetylcholine Release Inhibitors] explode all trees
#15	MeSH descriptor: [Muscle Relaxants, Central] explode all trees
#16	MeSH descriptor: [Infusion Pumps, Implantable] explode all trees

EARLY SUBMISSION

#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#17	MeSH descriptor: [Levodopa] explode all trees
#18	MeSH descriptor: [Physical Therapy Modalities] explode all trees
#19	physiotherap* or Botulinum or baclofen or tizanidine or intrathecal pump or gabapentin or levodopa
#20	MeSH descriptor: [Dantrolene] explode all trees
#21	MeSH descriptor: [Clonazepam] explode all trees
#22	MeSH descriptor: [Pregabalin] explode all trees
#23	MeSH descriptor: [Clonidine] explode all trees
#24	MeSH descriptor: [Trihexyphenidyl] explode all trees
#25	MeSH descriptor: [Rhizotomy] explode all trees
#26	MeSH descriptor: [Splints] explode all trees
#27	MeSH descriptor: [Orthotic Devices] explode all trees
#28	MeSH descriptor: [Deep Brain Stimulation] explode all trees
#29	MeSH descriptor: [Tetrabenazine] explode all trees
#30	Tetrabenazine or Deep Brain Stimulation or DBS or Splint* or orthotic* or dorsal Rhizotomy or Trihexyphenidyl or Clonidine or Pregabalin or Clonazepam or Dantrolene or serial cast* or lycra or splint cast*
#31	#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 or #25 or #26 or #27 or #28 or #29 or #30
#32	#5 and #31
#33	#5 and #9
#34	#32 or #33

Database: Web of Science

Last searched: 27 March 2018

#6	#5 OR #3
#5	#4 AND #1
#4	ts=spasticity or ts=spastic* or ts=dystonia or ts=dystoni*
#3	#2 AND #1
#2	ts=physiotherap* or ts=Botulinum or ts=baclofen or ts=tizanidine or ts=intrathecal pump or ts=gabapentin or ts=levodopa or ts=Muscle Relaxant* or ts=Acetylcholine Release Inhibitor* or ts=Cannabinoid* or ts=Diazepam or ts=Tetrabenazine or ts=Deep Brain Stimulation or ts=DBS or ts=Splint* or ts=orthotic* or ts=dorsal Rhizotomy or ts=Trihexyphenidyl or ts=Clonidine or ts=Pregabalin or ts=Clonazepam or ts=Dantrolene or ts=serial cast* or ts=lycra or ts=splint cast*
#1	ts=Cerebral Palsy

B. Assessing and monitoring complications and comorbidities

B1 Disorders of bones and joints

Review question: What is the most effective protocol for monitoring the following disorders of bones and joints in adults with cerebral palsy?

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- osteoarthritis
- osteoporosis (including osteopenia and osteomalacia)
- hip displacement
- spinal deformity, including scoliosis, kyphosis and lordosis
- cervical instability leading to cervical myelopathy

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Last searched: 22/03/2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oomezd
3	((cerebral or brain or central) adj2 (pal* or paraly#s or pares#s)).tw.
4	cerebral palsy.ti,ab.
5	little? disease.tw.
6	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
8	or/1-6
9	limit 8 to english language
10	limit 9 to (adult <18 to 64 years> or aged <65+ years>) use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
11	limit 9 to "all adult (19 plus years)" [Limit not valid in Embase; records were retained]
12	11 use prmz
13	or/10,12
14	exp Osteoarthritis/ or exp Osteoporosis/ or exp Bone Diseases, Metabolic/ or exp Osteomalacia/ or exp Hip Dislocation/ or exp Hip Joint/ or exp Femur Neck/ or exp Lumbar Vertebrae/ or exp Scoliosis/ or exp Kyphosis/ or exp Lordosis/ or exp Spinal Curvatures/ or exp Nerve Compression Syndromes/ or exp Joint Instability/ or exp Posture/ or exp Locomotion/ or exp Bone Density/ or exp Arthroplasty, Replacement/ or exp Hip Prosthesis/
15	14 use prmz
16	exp osteoarthritis/ or exp osteoporosis/ or exp metabolic bone disease/ or exp osteomalacia/ or exp hip dislocation/ or exp hip/ or exp femur neck/ or exp lumbar vertebra/ or exp scoliosis/ or exp kyphosis/ or exp lordosis/ or exp spine disease/ or exp nerve compression/ or exp joint instability/ or exp body posture/ or exp locomotion/ or exp bone density/ or exp replacement arthroplasty/ or Hip Prosthesis/ or exp hip prosthesis/
17	16 use oomezd
18	(osteopenia or scoliosis or kyphosis or lordosis or (hip adj (displace* or dislocat*)) or (cervical adj (instabilit* or myelopathy)) or ((curvature* or deteriorat* or alter* or deform* or abnormal* or instab*) adj5 (spine or skelet* or bone* or hip* or joint*))).ti,ab.
19	(osteo* or ostheo*).tw.
20	15 or 17 or 18 or 19
21	13 and 20
22	exp Patient Care Planning/ or exp Managed Care Programs/ or exp "Standard of Care"/ or exp Needs Assessment/ or exp Physical Examination/ or exp Health Status/ or exp Long-Term Care/ or exp Algorithms/ or exp Disability Evaluation/ or exp Disease Progression/ or exp Monitoring, Ambulatory/ or exp Monitoring, Physiologic/ or exp Follow-Up Studies/ or

EARLY SUBMISSION

#	Searches
	exp Aging/ or exp Salvage Therapy/ or exp "Continuity of Patient Care"/ or exp Transition to Adult Care/ or exp Equipment Failure Analysis/ or exp Radiotherapy Planning, Computer-Assisted/ or exp Tomography, X-Ray Computed/ or exp Absorptiometry, Photon/ or exp Radiography/
23	22 use prmz
24	((exp patient care planning/ or exp health care quality/ or exp needs assessment/ or exp physical examination/ or exp health status/ or exp long term care/ or exp algorithm/ or exp disease course/ or disability/ or exp "Hip Disability and Osteoarthritis Outcome Score"/ or exp ambulatory monitoring/ or exp physiologic monitoring/ or exp follow up/ or exp aging/ or exp salvage therapy/ or exp patient care/ or exp transition to adult care/ or exp device failure analysis/ or planning/) and radiotherapy/) or exp computer assisted tomography/ or exp photon absorptiometry/ or exp radiography/
25	24 use oomezd
26	(radiography or annual or regular or (every adj1 year*) or follow up or follow?up or (multidisciplin* adj (clinic* or team*)) or monitor* or assess* or review* or observ* or routine* or protocol* or exam* or test* or surveill* or managment or red flag or pathway or revision or x-ray or (health adj check) or (hip adj2 surveillance*)).ti,ab.
27	"treatment planning".mp.
28	("Melbourne cerebral palsy hip classification system" or MCPHCS).tw.
29	23 or 25 or 26 or 27 or 28
30	21 and 29
31	conference abstract.pt. use oomezd
32	letter.pt. or LETTER/ use oomezd
33	Letter/ use prmz
34	EDITORIAL/ use prmz
35	editorial.pt. use oomezd
36	NEWS/ use prmz
37	exp HISTORICAL ARTICLE/ use prmz
38	note.pt. use oomezd
39	ANECDOTES AS TOPIC/ use prmz
40	COMMENT/ use prmz
41	CASE REPORT/ use prmz
42	CASE REPORT/ use oomezd
43	CASE STUDY/ use oomezd
44	(letter or comment* or abstracts).ti.
45	or/31-44
46	RANDOMIZED CONTROLLED TRIAL/ use prmz
47	RANDOMIZED CONTROLLED TRIAL/ use oomezd
48	random*.ti,ab.
49	or/46-48
50	45 not 49
51	ANIMALS/ not HUMANS/ use prmz
52	ANIMAL/ not HUMAN/ use oomezd
53	exp ANIMALS, LABORATORY/ use prmz
54	exp ANIMAL EXPERIMENTATION/ use prmz

EARLY SUBMISSION

#	Searches
55	exp MODELS, ANIMAL/ use prmz
56	exp RODENTIA/ use prmz
57	NONHUMAN/ use oomezd
58	exp ANIMAL EXPERIMENT/ use oomezd
59	exp EXPERIMENTAL ANIMAL/ use oomezd
60	ANIMAL MODEL/ use oomezd
61	exp RODENT/ use oomezd
62	(rat or rats or mouse or mice).ti.
63	or/50-62
64	30 not 63

Database: Cochrane Library

Last searched: 22 March 2018

#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Osteoarthritis] explode all trees
#7	MeSH descriptor: [Osteoporosis] explode all trees
#8	MeSH descriptor: [Bone Diseases, Metabolic] explode all trees
#9	MeSH descriptor: [Osteomalacia] explode all trees
#10	MeSH descriptor: [Hip Dislocation] explode all trees
#11	MeSH descriptor: [Hip Joint] explode all trees
#12	MeSH descriptor: [Femur Neck] explode all trees
#13	MeSH descriptor: [Lumbar Vertebrae] explode all trees
#14	MeSH descriptor: [Scoliosis] explode all trees
#15	MeSH descriptor: [Kyphosis] explode all trees
#16	MeSH descriptor: [Lordosis] explode all trees
#17	MeSH descriptor: [Spinal Curvatures] explode all trees
#18	MeSH descriptor: [Nerve Compression Syndromes] explode all trees
#19	MeSH descriptor: [Joint Instability] explode all trees
#20	MeSH descriptor: [Posture] explode all trees
#21	MeSH descriptor: [Locomotion] explode all trees
#22	MeSH descriptor: [Bone Density] explode all trees
#23	MeSH descriptor: [Arthroplasty, Replacement] explode all trees
#24	MeSH descriptor: [Hip Prosthesis] explode all trees
#25	osteo* or ostheo* or Scoliosis or Kyphosis or Lordosis or hip near (displace* or dislocat*) or cervical near (instabilit* or myelopathy)
#26	(curvature* or deteriorat* or alter* or deform* or abnormal* or instab*) near (spine or skelet* or bone* or hip* or joint*)
#27	{or #6-#26}
#28	#5 and #27

EARLY SUBMISSION

#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#29	MeSH descriptor: [Patient Care Planning] explode all trees
#30	MeSH descriptor: [Managed Care Programs] explode all trees
#31	MeSH descriptor: [Standard of Care] explode all trees
#32	MeSH descriptor: [Needs Assessment] explode all trees
#33	MeSH descriptor: [Physical Examination] explode all trees
#34	MeSH descriptor: [Health Status] explode all trees
#35	MeSH descriptor: [Long-Term Care] explode all trees
#36	MeSH descriptor: [Algorithms] explode all trees
#37	MeSH descriptor: [Disability Evaluation] explode all trees
#38	MeSH descriptor: [Disease Progression] explode all trees
#39	MeSH descriptor: [Monitoring, Ambulatory] explode all trees
#40	MeSH descriptor: [Monitoring, Physiologic] explode all trees
#41	MeSH descriptor: [Follow-Up Studies] explode all trees
#42	MeSH descriptor: [Aging] explode all trees
#43	MeSH descriptor: [Salvage Therapy] explode all trees
#44	MeSH descriptor: [Continuity of Patient Care] explode all trees
#45	MeSH descriptor: [Transition to Adult Care] explode all trees
#46	MeSH descriptor: [Equipment Failure Analysis] explode all trees
#47	MeSH descriptor: [Radiotherapy Planning, Computer-Assisted] explode all trees
#48	MeSH descriptor: [Tomography, X-Ray Computed] explode all trees
#49	MeSH descriptor: [Absorptiometry, Photon] explode all trees
#50	MeSH descriptor: [Radiography] explode all trees
#51	Radiography or annual or regular or (every N1 year*) or follow up or follow-up or multidisciplin* or monitor* or assess* or review* or observ* or routine* or protocol* or exam* or test* or surveill* or management or red flag or pathway or revision or x-ray or treatment plan* or health near check
#52	{or #29-#51}
#53	#28 and #52

Database: Web of Science

Last searched: 22 March 2018

# 5	#4 AND LANGUAGE: (English)
#4	#3 AND #2 AND #1
# 3	ts=Patient Care Planning or ts=Managed Care Programs or ts="Standard of Care" or ts=Needs Assessment or ts=Physical Examination or ts=Health Status or ts=Long-Term Care or ts=Algorithms or ts=Disability Evaluation or ts=Disease Progression or ts=Ambulatory Monitoring or ts=Physiologic Monitoring or ts=Follow-Up or ts=follow up or ts=Aging or ts=Salvage Therapy or ts="Continuity of Patient Care" or ts=Transition to Adult Care or ts=Failure Analysis or ts=Radiotherapy Planning or ts=X-Ray or ts=Absorptiometry or ts=Radiography or ts=annual or ts=regular or ts=every year* or ts=assess* or ts=review* or ts=observ* or ts=routine* or ts=protocol* or ts=exam* or ts=test* or ts=surveill* or ts=management or ts=red flag or ts=pathway or ts=revision or ts=treatment planning or ts=health check

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# 5	#4 AND LANGUAGE: (English)
# 2	ts=Osteoarthritis or ts=Osteoporosis or ts=Bone Disease* or ts=Osteomalacia or ts=Hip Dislocation or ts= Joint* or ts=Femur Neck or ts=Lumbar Vertebrae or ts=Scoliosis or ts=Kyphosis or ts=Lordosis or ts=Spinal Curvatures or ts=Nerve Compression Syndromes or ts=Joint Instability or ts=Posture or ts=Locomotion or ts=Bone Density or ts= Replacement Arthroplasty or ts=Hip Prosthesis or ts=osteopenia or ts=osteo* or ts=ostheo* or ts=deterioat* or ts=alter* or ts=deform* or ts=abnormal*
# 1	ts=Cerebral Palsy

B2 Mental health problems

Review question: Which mental health assessment tools are clinically useful for adults with cerebral palsy?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present, PsycINFO 1806 to March Week 3 2018

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oemezd
3	exp Cerebral Palsy/ use psyh
4	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
5	cerebral palsy.ti,ab.
6	little? disease.tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
8	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
9	or/1-8
10	limit 9 to english language
11	limit 10 to (adult <18 to 64 years> or aged <65+ years>) use oemezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process,PsycINFO; records were retained]
12	limit 10 to "all adult (19 plus years)" [Limit not valid in Embase,PsycINFO; records were retained]
13	12 use prmz
14	limit 10 to adulthood <18+ years> [Limit not valid in Embase,Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
15	14 use psyh
16	or/11,13,15
17	exp mental health/ or exp mental disease/ or exp developmental disorder/ or intellectual impairment/ or exp mental deficiency/ or exp learning disorder/ or exp depression/ or exp Hamilton Depression Rating Scale/ or exp Depression Anxiety Stress Scale/ or exp Center for Epidemiological Studies Depression Scale/ or exp depression assessment/ or exp Edinburgh Postnatal Depression Scale/ or exp Calgary Depression Scale/ or exp "Hospital Anxiety and Depression Scale"/ or exp Montgomery Asberg Depression Rating Scale/ or exp

EARLY SUBMISSION

#	Searches
	Self-rating Depression Scale/ or exp depression inventory/ or exp "mixed anxiety and depression"/ or exp Beck Depression Inventory/ or exp experimental depression test/ or exp Zung Self Rating Depression Scale/ or exp generalized anxiety disorder/ or exp Social Interaction Anxiety Scale/ or exp State Trait Anxiety Inventory/ or exp Liebowitz Social Anxiety Scale/ or exp Anxiety Sensitivity Index/ or exp Hamilton Anxiety Scale/ or exp anxiety disorder/ or exp anxiety assessment/ or exp Beck Anxiety Inventory/ or exp anxiety/ or exp Depression Anxiety Stress Scale/ or exp mental stress/ or exp Depression Anxiety Stress Scale/ or exp Perceived Stress Scale/ or stress/ or exp stress assessment/ or exp Brief Pain Inventory/ or exp pain measurement/ or exp experimental pain test/ or exp experimental chronic pain test/ or exp Memorial Pain Assessment Card/ or exp chronic pain/ or exp pain parameters/ or exp pain assessment/ or exp pain/ or exp McGill Pain Questionnaire/ or exp experimental acute pain test/ or exp panic/ or exp mood disorder/ or exp personality disorder/ or exp health survey/ or exp health care survey/ or exp questionnaire/ or exp psychological rating scale/ or exp "sensitivity and specificity"/ or exp psychometry/ or exp diagnostic procedure/ or exp "Diagnostic and Statistical Manual of Mental Disorders"/ or exp "quality of life"/ or exp adaptive behavior/ or clinical assessment tool/ or exp diagnostic test/ or exp psychologic test/ or psychometry/ or rating scale/ or screening test/ or summated rating scale/ or exp cognitive therapy/ or exp behavior therapy/
18	17 use oemezd
19	exp Mental Disorders/ or exp Psychopathology/ or exp Mental Health/ or exp developmental disabilities/ or exp intellectual development disorder/ or "intellectual development disorder (attitudes toward)"/ or exp learning disabilities/ or exp recurrent depression/ or exp beck depression inventory/ or exp "depression (emotion)"/ or exp zungs self rating depression scale/ or exp emotional states/ or exp coping behavior/ or exp generalized anxiety disorder/ or exp anxiety disorders/ or exp anxiety/ or exp social anxiety/ or exp anxiety management/ or exp state trait anxiety inventory/ or exp anxiety sensitivity/ or exp acute stress disorder/ or exp psychological stress/ or exp "stress and coping measures"/ or exp chronic stress/ or exp stress/ or exp stress management/ or exp stress reactions/ or exp pain management/ or exp chronic pain/ or exp pain measurement/ or exp pain/ or exp panic/ or exp panic disorder/ or exp Emotional States/ or exp Personality Disorders/ or exp Affective Disorders/ or exp Psychometrics/ or exp Surveys/ or exp questionnaires/ or exp Psychological Assessment/ or exp Psychopathology/ or exp Rating Scales/ or exp Psychodiagnosis/ or exp Symptoms/ or exp Test Reliability/ or exp Screening/ or exp Medical Diagnosis/ or exp "Diagnostic and Statistical Manual"/ or exp "Quality of Life"/ or exp Adaptation/ or exp measurement/ or exp inventories/ or performance tests/ or exp personality measures/ or exp preference measures/ or exp reading measures/ or exp retention measures/ or exp screening tests/ or sociometric tests/ or "speech and hearing measures"/ or standardized tests/ or subtests/ or symptom checklists/ or exp testing/ or testing methods/ or exp test scores/ or verbal tests/ or exp cognitive therapy/ or exp behavior therapy/
20	19 use psych
21	exp Mental Health/ or developmental disabilities/ or exp intellectual disability/ or exp learning disorders/ or mentally disabled persons/ or exp Depression/ or exp Depressive Disorder/ or exp Anxiety Disorders/ or exp Anxiety/ or exp Stress, Psychological/ or exp Pain/ or exp Chronic Pain/ or exp Panic Disorder/ or exp Panic/ or exp Mood Disorders/ or exp Personality Disorders/ or exp Psychiatric Status Rating Scales/ or exp "Surveys and Questionnaires"/ or exp "Sensitivity and Specificity"/ or exp Psychometrics/ or exp "Diagnostic Techniques and Procedures"/ or exp "Diagnostic and Statistical Manual of Mental Disorders"/ or exp Health Surveys/ or exp Test Anxiety Scale/ or exp "Quality of Life"/ or exp Adaptation, Psychological/ or exp Psychopathology/ or diagnostic tests, routine/ or "predictive value of tests"/ or exp psychiatric status rating scales/ or exp psychological tests/ or exp cognitive therapy/ or exp behavior therapy/
22	21 use prmz
23	((mental* or psychologic*) adj2 (health or disorder* or disease* or deficien* or illness or problem*)).ti,ab,sh.

EARLY SUBMISSION

#	Searches
24	((intellect* adj (deficien* or difficult* or disab* or disorder* or impair* or handicap* or incapacit* or handicap* or subnorm* or sub*1 average or sub*1 average or sub*1 norm*)) or (low*2 adj2 intellect*) or (learning adj (deficien* or difficult* or disab* or disorder* or handicap* or impair* or incapacit* or handicap* or subnorm* or sub*1 average or sub*1 average or sub*1 norm*)) or (mental* adj (disab* or handicap* or impair* or handicap* or incapacit* or retard* or subnorm* or sub*1 average or sub*1 average or sub*1 norm*))).ti,ab.
25	((development* or neurodevelopment*) adj (disab* or delay)).tw.
26	(education* adj5 subnorm*).tw.
27	(depres* or seasonal affective disorder* or dysthym* or melancholi*).ti,ab.
28	(depress* or nervous or anxious or edg* or afraid or grief* or griev* or pleasure* or joy or enjoy or worry* or worrie* or blue* or weary* or relax* or restless* or sit* still or fidget* or focus* or slow* or speak* or speech* or annoy* or irritable or panic* or dread* or anguish or anxiet* or post-traumatic stress* or stress* or appetite or sad* or happy* or unhappy* or bad* or dead* or hurt* or like myself or get* going or interest* or concentrat* or despond* or gloom* or despair* or low spirit* or hope* or miser* or tension* or turmoil* or asleep or sleep* or tired or overeate* or weight loss* or weight gain* or appetite* or feeling down or energy or mood* or chronic pain* or suicid* or pessimis* or failure* or self-reproach* or self-deprecat* or self-accusa* or guilt* or sin* or remorse* or self-report*).ti,ab.
29	(Beck Depression Inventory or BDI-21 or anxiety disorder scale* or Generalized Anxiety Disorder* or GAD or depression scale* or CES-D or Whooley questions).tw.
30	(health adj2 (survey* or questionnaire*)).tw.
31	((mental* or psychologic*) adj2 (rating scale* or assess* or monitor* or screen* or diagnos* or test* or symptom* or measure* or status)).tw.
32	(psychopatholog* or psychometric* or psychodiagnos* or adapt*).tw.
33	exp psychosis/ use oomezd or exp "schizophrenia and disorders with psychotic features"/ use prmz or exp psychosis/ use psyh or (borderline states or paranoid schizophrenia).sh.
34	(paranoi* or psychotic* or psychosis or psychoses or schizo*).ti,ab.
35	((assessment adj2 dual diagnosis) or behaviour checklist* or (clinical outcomes adj2 routine evaluation adj3 learning disabilities) or (diagnostic assessment adj3 severely handicapped) or (psychopathology checklist* adj2 adults with intellectual disability) or psychiatric assessment schedule for adults with developmental disabilities checklist* or (reiss screen for maladaptive adj behav*) or (strength adj2 difficulties questionnaire*) or (psychiatric assessment schedule adj2 adults adj3 developmental disability) or psychopathology instrument for mentally retarded adults or health of the nation outcome scales for people with learning disabilities).ti,ab.
36	((add*1 or cbcl or core-ld or coreld or dash or dash-ii or pac or p-aid or paid or pas-add*1 or pasadd or rsmb or sdq or pas-add*1 or pimra or honos-ld or honosld) adj3 (assessment* or checklist* or interview* or inventor* or questionnaire* or scale* or screen*)).ti,ab.
37	or/23-36
38	18 or 20 or 22 or 37
39	16 and 38
40	conference abstract.pt. use oomezd
41	letter.pt. or LETTER/ use oomezd
42	Letter/ use prmz
43	EDITORIAL/ use prmz
44	editorial.pt. use oomezd
45	NEWS/ use prmz
46	exp HISTORICAL ARTICLE/ use prmz

EARLY SUBMISSION

#	Searches
47	note.pt. use oemezdz
48	ANECDOTES AS TOPIC/ use prmz
49	COMMENT/ use prmz
50	CASE REPORT/ use prmz
51	CASE REPORT/ use oemezdz
52	CASE STUDY/ use oemezdz
53	(letter or comment* or abstracts).ti.
54	or/40-53
55	RANDOMIZED CONTROLLED TRIAL/ use prmz
56	RANDOMIZED CONTROLLED TRIAL/ use oemezdz
57	random*.ti,ab.
58	or/55-57
59	54 not 58
60	ANIMALS/ not HUMANS/ use prmz
61	ANIMAL/ not HUMAN/ use oemezdz
62	exp ANIMALS, LABORATORY/ use prmz
63	exp ANIMAL EXPERIMENTATION/ use prmz
64	exp MODELS, ANIMAL/ use prmz
65	exp RODENTIA/ use prmz
66	NONHUMAN/ use oemezdz
67	exp ANIMAL EXPERIMENT/ use oemezdz
68	exp EXPERIMENTAL ANIMAL/ use oemezdz
69	ANIMAL MODEL/ use oemezdz
70	exp RODENT/ use oemezdz
71	exp ANIMALS/ use psych
72	exp Animal Models/ use psych
73	exp Rodents/ or exp Mice/ or exp RATS/ use psych
74	(rat or rats or mouse or mice).ti.
75	or/59-74
76	39 not 75

Database: Cochrane Library

Last searched: 22 March 2018

ID	Search
#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Mental Health] explode all trees
#7	MeSH descriptor: [Developmental Disabilities] explode all trees
#8	MeSH descriptor: [Intellectual Disability] explode all trees

EARLY SUBMISSION

ID	Search
#9	MeSH descriptor: [Learning Disorders] explode all trees
#10	MeSH descriptor: [Mentally Disabled Persons] explode all trees
#11	MeSH descriptor: [Mental Disorders] explode all trees
#12	MeSH descriptor: [Mentally Ill Persons] explode all trees
#13	MeSH descriptor: [Anxiety] explode all trees
#14	MeSH descriptor: [Anxiety Disorders] explode all trees
#15	MeSH descriptor: [Panic] explode all trees
#16	MeSH descriptor: [Panic Disorder] explode all trees
#17	MeSH descriptor: [Stress, Psychological] explode all trees
#18	MeSH descriptor: [Depression] explode all trees
#19	MeSH descriptor: [Depressive Disorder] explode all trees
#20	MeSH descriptor: [Mood Disorders] explode all trees
#21	MeSH descriptor: [Personality Disorders] explode all trees
#22	MeSH descriptor: [Pain] explode all trees
#23	MeSH descriptor: [Chronic Pain] explode all trees
#24	MeSH descriptor: [Psychiatric Status Rating Scales] explode all trees
#25	MeSH descriptor: [Surveys and Questionnaires] explode all trees
#26	MeSH descriptor: [Sensitivity and Specificity] explode all trees
#27	MeSH descriptor: [Psychometrics] explode all trees
#28	MeSH descriptor: [Diagnostic Techniques and Procedures] explode all trees
#29	MeSH descriptor: [Diagnostic and Statistical Manual of Mental Disorders] explode all trees
#30	MeSH descriptor: [Health Surveys] explode all trees
#31	MeSH descriptor: [Test Anxiety Scale] explode all trees
#32	MeSH descriptor: [Quality of Life] explode all trees
#33	MeSH descriptor: [Adaptation, Psychological] explode all trees
#34	MeSH descriptor: [Psychopathology] explode all trees
#35	MeSH descriptor: [Diagnostic Tests, Routine] explode all trees
#36	MeSH descriptor: [Predictive Value of Tests] explode all trees
#37	MeSH descriptor: [Psychiatric Status Rating Scales] explode all trees
#38	MeSH descriptor: [Psychological Tests] explode all trees
#39	((mental* or psycholog*ic*) near/2 (deficien* or disease* or disorder* or disturbance* or dysfunction* or health or illness* or problem*)):ti,ab,kw
#40	(intellect* near/1 (deficien* or difficult* or disab* or disorder* or impair* or handicap* or incapacit* or subnorm* or "sub* norm*" or subaverage or "sub* average")) or (low* near/2 intellect*) or (learning near/1 (deficien* or difficult* or disab* or disorder* or handicap* or impair* or incapacit* or handicap* or subnorm* or "sub* norm*" or subaverage or "sub* average")) or (mental* near/1 (deficien* or disab* or impair* or handicap* or incapacit* or delay* or retard* or subnorm* or subaverage or "sub* average" or "sub* norm*")) or ((subaverage or "sub* average" or subnormal or "sub* normal*") near/3 (adult* or cognit* or intel*)) or ((development* or neurodevelopment*) near/1 (disab* or delay*)) or (education* near/5 subnorm*)
#41	(special* near/2 (educat* or need*)):ti,ab,kw,ab,kw
#42	(anxiet* or anxious* or ((chronic* or excessiv* or intens* or (long* near/2 last*) or neuros* or neurotic* or ongoing or persist* or serious* or sever* or uncontrol* or "un control*" or unrelent* or "un relent*") near/2 worry or chronic near/1 pain)):ti,ab,kw

EARLY SUBMISSION

ID	Search
#43	depres* or seasonal affective disorder* or dysthym* or melancholi*
#44	(depress* or nervous or anxious or edg* or afraid or grief* or griev* or pleasure* or joy or enjoy or worry* or worrie* or blue* or weary* or relax* or restless* or sit* still or fidget* or focus* or slow* or speak* or speech* or annoy* or irritable or panic* or dread* or anguish or anxiet* or post-traumatic stress* or stress* or appetite or sad* or happy* or unhappy* or bad* or dead* or hurt* or like myself or get* going or interest* or concentrat* or despond* or gloom* or despair* or low spirit* or hope* or miser* or panic* or mood* or tension* or turmoil* or asleep or sleep* or tired or overeat* or weight loss* or weight gain* or appetite* or feeling down or energy or mood* or chronic pain* or suicid* or pessimis* or failure* or self-reproach* or self-deprecat* or self-accusa* or guilt* or sin* or remorse* or self-report*)
#45	Beck Depression Inventory or BDI-21 or anxiety disorder scale* or Generalized Anxiety Disorder* or GAD or depression scale* or CES-D or Whooley questions
#46	health near/2 (survey* or questionnaire*)
#47	((mental* or psychologic*) near/2 (rating scale* or assess* or monitor* or screen* or diagnos* or test* or symptom* or measure* or status))
#48	psychopatholog* or psychometric* or psychodiagnos* or adapt*
#49	((assessment near/22 dual diagnosis) or behaviour checklist* or (clinical outcomes near/2 routine evaluation near/3 learning disabilities) or (diagnostic assessment near/3 severely handicapped) or (psychopathology checklist* near/2 adults with intellectual disability) or psychiatric assessment schedule for adults with developmental disabilities checklist* or (reiss screen for maladaptive near behav*) or (strength near/2 difficulties questionnaire*) or (psychiatric assessment schedule near/2 adults near/3 developmental disability) or psychopathology instrument for mentally retarded adults or health of the nation outcome scales for people with learning disabilities)
#50	paranoi* or psychotic* or psychosis or psychoses or schizo*
#51	assessment* or checklist* or interview* or inventor* or questionnaire* or scale* or screen*
#52	#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 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49 or #50 or #51
#53	#5 and #52

Database: Web of Science

Last searched: 22 March 2018

Set	Search
#8	(#7) AND LANGUAGE: (English)
#7	#5 not #6
#6	ts=child* or ts=infant* or ts=p?ediat* or ts=preterm or ts=stroke* or ts=dementia
#5	#4 AND #1
#4	#3 OR #2
#3	ts=Developmental Disabilit* or ts=Intellectual Disabilit* or ts=Learning Disorder* or ts=Mentally Disabled Person* or ts=Mental Disorder* or ts=Mentally Ill Person* or ts=Anxiet* or ts=Depressive Disorder* or ts=Personality Disorder* or ts=depress* or ts=nervous or ts=anxious or ts=edg* or ts=afraid or ts=grief* or ts=griev* or ts=pleasure* or ts=joy or ts=enjoy or ts=worry* or ts=worrie* or ts=blue* or ts=weary* or ts=relax* or ts=restless* or ts=sit* still or ts=fidget* or ts=focus* or ts=slow* or ts=speak* or ts=speech* or ts=annoy* or ts=irritable or ts=panic* or ts=dread* or ts=anguish or ts=anxiet* or ts=post-traumatic stress* or ts=stress* or ts=appetite or ts=sad* or ts=happy* or ts=unhappy* or ts=bad* or ts=dead* or ts=hurt* or ts=like myself or ts=get* going or ts=interest* or ts=concentrat* or ts=despond* or ts=gloom* or ts=despair* or ts=low spirit* or ts=hope* or ts=miser* or ts=tension* or

EARLY SUBMISSION

Set	Search
	ts=turmoil* or ts=asleep or ts=sleep* or ts=tired or ts=overeat* or ts=weight loss* or ts=weight gain* or ts=appetite* or ts=feeling down or ts=energy or ts=mood* or ts=chronic pain* or ts=suicid* or ts=pessimis* or ts=failure* or ts=self-reproach* or ts=self-deprecat* or ts=self-accusa* or ts=guilt* or ts=sin* or ts=remorse* or ts=self-report*
#2	ts=Psychiatric Status Rating Scale* or ts=Survey* or ts=Questionnaire* or ts=Psychometric* or ts=Routine Diagnostic test* or ts=Health Survey* or ts=Test Anxiety Scale* or ts=Psychopathology or ts=Psychiatric Status Rating Scale* or ts=Psychological Test* or ts=Beck Depression Inventory or ts=BDI-21 or ts=anxiety disorder scale* or ts=Generalized Anxiety Disorder* or ts=GAD or ts=depression scale* or ts=CES-D or ts=Whooley questions or ts=(mental* (health or disorder* or disease* or deficien* or illness or problem* or rating scale* or assess* or monitor* or screen* or diagnos* or test* or symptom* or measure* or status)) or ts=(psychologic* (health or disorder* or disease* or deficien* or illness or problem* or rating scale* or assess* or monitor* or screen* or diagnos* or test* or symptom* or measure* or status)) or ts=behaviour checklist* or ts=routine evaluation* or ts=psychopathology checklist* or ts=psychiatric assessment
#1	ts=Cerebral Palsy

B3 Monitoring feeding and nutritional problems

Review question: What is the best way to assess and monitor the safety (of swallowing and risk of aspiration) and effectiveness of feeding and maintaining nutrition in adults with cerebral palsy?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present.

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oomezd
3	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
4	cerebral palsy.ti,ab.
5	little? disease.tw.
6	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
8	or/1-6
9	limit 8 to english language
10	limit 9 to (adult <18 to 64 years> or aged <65+ years>) use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
11	limit 9 to "all adult (19 plus years)" [Limit not valid in Embase; records were retained]
12	11 use prmz
13	or/10,12
14	exp Nutrition Policy/ or exp Nutrition Disorders/ or exp Nutrition Assessment/ or exp Nutrition Therapy/ or exp "Feeding and Eating Disorders"/ or exp Feeding Behavior/ or exp Diet/ or exp Deglutition Disorders/ or exp Gastrointestinal Motility/ or exp Esophageal Motility Disorders/ or exp Dyspepsia/ or exp Constipation/ or exp Gastroesophageal Reflux/ or exp

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#	Searches
	Obesity/ or exp Anthropometry/ or exp Overweight/ or exp Body Composition/ or exp Body Weight/ or exp Nutritional Status/ or exp Body Mass Index/ or exp Skinfold Thickness/ or exp Deglutition/ or exp Respiratory Aspiration/ or exp Drinking/ or exp Eating/ or exp Mastication/ or exp Diet, Reducing/ or exp Weight Loss/ or exp Calorimetry, Indirect/ or exp Waist Circumference/ or exp Energy Intake/ or exp Nutritional Requirements/ or exp Malnutrition/ or exp Dietary Supplements/ or exp Nutritional Support/ or exp Food, Fortified/ or exp Protein-Energy Malnutrition/ or exp Metabolism/ or exp Basal Metabolism/ or exp Digestion/ or exp Enteral Nutrition/ or exp "Cooking and Eating Utensils"/ or exp Equipment Design/ or exp Meals/ or exp Gastric Emptying/ or exp Gastrostomy/ or exp Jejunostomy/ or exp Feeding Methods/ or exp "Task Performance and Analysis"/ or exp Biomechanical Phenomena/ or exp Human Engineering/ or exp "Activities of Daily Living"/ or exp Self Care/ or exp airway obstruction/
15	exp Disability Evaluation/ or exp Disease Progression/ or exp "Severity of Illness Index"/
16	14 or 15 use prmz
17	exp nutritional health/ or exp diet/ or exp nutrition policy/ or exp food/ or exp nutrition/ or exp obesity/ or exp nutritional disorder/ or exp nutritional assessment/ or exp diet therapy/ or exp eating disorder/ or exp feeding behavior/ or exp dysphagia/ or exp swallowing/ or exp gastrointestinal motility/ or exp esophagus function disorder/ or exp dyspepsia/ or exp constipation/ or exp gastroesophageal reflux/ or exp anthropometry/ or exp body composition/ or exp body weight/ or exp nutritional status/ or exp body mass/ or exp skinfold thickness/ or exp skinfold/ or exp acid aspiration/ or exp drinking/ or exp eating/ or exp eating habit/ or exp mastication/ or exp low calory diet/ or exp weight reduction/ or exp indirect calorimetry/ or exp waist circumference/ or exp body fat/ or exp caloric intake/ or exp nutritional requirement/ or exp protein calorie malnutrition/ or exp malnutrition/ or exp dietary supplement/ or exp nutritional support/ or exp metabolism/ or exp fortified food/ or exp basal metabolic rate/ or exp digestion/ or exp enteric feeding/ or exp kitchen/ or exp equipment design/ or exp meal/ or exp stomach emptying/ or exp gastrostomy/ or exp jejunostomy/ or exp food intake/ or exp bioengineering/ or exp ergonomics/ or exp motion analysis system/ or exp task performance/ or exp daily life activity/ or exp self help/ or exp feeding apparatus/ or exp airway obstruction/
18	exp disability/ or exp disease course/ or exp "severity of illness index"/
19	17 or 18 use oomezd
20	("Eating and Drinking Ability Classification System" or EDACS or "Fatigue Impact and Severity Self-Assessment" or FISSA or "Mann Assessment of Swallowing Ability" or MASA or "Functional Dysphagia Scale" or FDS).ti,ab.
21	((problem* or difficult* or safe*) adj2 (feeding or eat* or drink* or chew* or metabol* or nutrition* or swallow* or aspiration)).ti,ab.
22	(nutriti* or feed* or eat* or drink* or biting or choke* or choking or cough* or gagging or gag* or vomit* or meal* or energy or chew* or digest* or metabolism* or swallow* or diet* or deglut* or motilit* or dyspeps* or constipat* or reflux or dysphag* or obes* or weigh* or overweight* or underweigh* or anthropometr* or malnutri* or aspirat*).ti,ab.
23	(nutrition* adj (supplement* or optim* or deficient* or support* or require*)).ti,ab.
24	((((skin?fold* or fat or body or weight or bowel) adj (measure* or protocol* or assess* or monitor* or screen* or safe* or scale* or symptom* or dysfunction*)) or BMI or calorimetry).ti,ab.
25	(body composition or waist circumference).ti,ab.
26	16 or 19 or 20 or 21 or 22 or 23 or 24 or 25
27	13 and 26
28	conference abstract.pt. use oomezd
29	letter.pt. or LETTER/ use oomezd
30	Letter/ use prmz

EARLY SUBMISSION

#	Searches
31	EDITORIAL/ use prmz
32	editorial.pt. use oomezd
33	NEWS/ use prmz
34	exp HISTORICAL ARTICLE/ use prmz
35	note.pt. use oomezd
36	ANECDOTES AS TOPIC/ use prmz
37	COMMENT/ use prmz
38	CASE REPORT/ use prmz
39	CASE REPORT/ use oomezd
40	CASE STUDY/ use oomezd
41	(letter or comment* or abstracts).ti.
42	or/28-41
43	RANDOMIZED CONTROLLED TRIAL/ use prmz
44	RANDOMIZED CONTROLLED TRIAL/ use oomezd
45	random*.ti,ab.
46	or/43-45
47	42 not 46
48	ANIMALS/ not HUMANS/ use prmz
49	ANIMAL/ not HUMAN/ use oomezd
50	exp ANIMALS, LABORATORY/ use prmz
51	exp ANIMAL EXPERIMENTATION/ use prmz
52	exp MODELS, ANIMAL/ use prmz
53	exp RODENTIA/ use prmz
54	NONHUMAN/ use oomezd
55	exp ANIMAL EXPERIMENT/ use oomezd
56	exp EXPERIMENTAL ANIMAL/ use oomezd
57	ANIMAL MODEL/ use oomezd
58	exp RODENT/ use oomezd
59	(rat or rats or mouse or mice).ti.
60	or/47-59
61	27 not 60
62	limit 61 to yr="1990 -Current"

Database: Cochrane Library

Last searched: 22 March 2018

ID	Search
#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Nutrition Policy] explode all trees

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ID	Search
#7	MeSH descriptor: [Nutrition Disorders] explode all trees
#8	MeSH descriptor: [Nutrition Assessment] explode all trees
#9	MeSH descriptor: [Nutrition Therapy] explode all trees
#10	MeSH descriptor: [Feeding and Eating Disorders] explode all trees
#11	MeSH descriptor: [Feeding Behavior] explode all trees
#12	MeSH descriptor: [Diet] explode all trees
#13	MeSH descriptor: [Deglutition Disorders] explode all trees
#14	MeSH descriptor: [Gastrointestinal Motility] explode all trees
#15	MeSH descriptor: [Esophageal Motility Disorders] explode all trees
#16	MeSH descriptor: [Dyspepsia] explode all trees
#17	MeSH descriptor: [Constipation] explode all trees
#18	MeSH descriptor: [Gastroesophageal Reflux] explode all trees
#19	MeSH descriptor: [Obesity] explode all trees
#20	MeSH descriptor: [Anthropometry] explode all trees
#21	MeSH descriptor: [Overweight] explode all trees
#22	MeSH descriptor: [Body Composition] explode all trees
#23	MeSH descriptor: [Body Weight] explode all trees
#24	MeSH descriptor: [Nutritional Status] explode all trees
#25	MeSH descriptor: [Body Mass Index] explode all trees
#26	MeSH descriptor: [Skinfold Thickness] explode all trees
#27	MeSH descriptor: [Deglutition] explode all trees
#28	MeSH descriptor: [Respiratory Aspiration] explode all trees
#29	MeSH descriptor: [Drinking] explode all trees
#30	MeSH descriptor: [Eating] explode all trees
#31	MeSH descriptor: [Mastication] explode all trees
#32	MeSH descriptor: [Diet, Reducing] explode all trees
#33	MeSH descriptor: [Diet Therapy] explode all trees
#34	MeSH descriptor: [Fat Body] explode all trees
#35	MeSH descriptor: [Weight Loss] explode all trees
#36	MeSH descriptor: [Weight Gain] explode all trees
#37	MeSH descriptor: [Calorimetry, Indirect] explode all trees
#38	MeSH descriptor: [Waist Circumference] explode all trees
#39	MeSH descriptor: [Energy Intake] explode all trees
#40	MeSH descriptor: [Nutritional Requirements] explode all trees
#41	MeSH descriptor: [Malnutrition] explode all trees
#42	MeSH descriptor: [Dietary Supplements] explode all trees
#43	MeSH descriptor: [Nutritional Support] explode all trees
#44	MeSH descriptor: [Food, Fortified] explode all trees
#45	MeSH descriptor: [Protein-Energy Malnutrition] explode all trees
#46	MeSH descriptor: [Metabolism] explode all trees
#47	MeSH descriptor: [Basal Metabolism] explode all trees
#48	MeSH descriptor: [Digestion] explode all trees

EARLY SUBMISSION

ID	Search
#49	MeSH descriptor: [Disability Evaluation] explode all trees
#50	MeSH descriptor: [Disease Progression] explode all trees
#51	MeSH descriptor: [Severity of Illness Index] explode all trees
#52	"Eating and Drinking Ability Classification System" or EDACS or "Fatigue Impact and Severity Self-Assessment" or FISSA or "Mann Assessment of Swallowing Ability" or MASA or "Functional Dysphagia Scale" or FDS
#53	nutrition* or feed* or eat* or drink* or biting or energy or chew* or digest* or metabolism* or swallow* or diet* or deglut* or motilit* or dyspeps* or constipat* or reflux or dysphag* or obes* or weigh* or overweight* or underweigh* or anthropometr* or malnutri* or aspirat* or body composition or waist circumference or skin?fold* or fat or body or weight or bowel or BMI or calorimetry or supplement or anthropometry or choke* or choking or cough* or gagging or gag* or vomit*
#54	oral appliance* or oral sensorimotor skill* or utensil* or equipment or meal* or gastrostomy* or Jejunostom* or enteral nutrition*
#55	MeSH descriptor: [Cooking and Eating Utensils] explode all trees
#56	MeSH descriptor: [Equipment Design] explode all trees
#57	MeSH descriptor: [Meals] explode all trees
#58	MeSH descriptor: [Gastric Emptying] explode all trees
#59	MeSH descriptor: [Enteral Nutrition] explode all trees
#60	MeSH descriptor: [Gastrostomy] explode all trees
#61	MeSH descriptor: [Jejunostomy] explode all trees
#62	MeSH descriptor: [Feeding Methods] explode all trees
#63	MeSH descriptor: [Task Performance and Analysis] explode all trees
#64	MeSH descriptor: [Biomechanical Phenomena] explode all trees
#65	MeSH descriptor: [Human Engineering] explode all trees
#66	MeSH descriptor: [Activities of Daily Living] explode all trees
#67	MeSH descriptor: [Self Care] explode all trees
#68	MeSH descriptor: [Airway Obstruction] explode all trees
#69	{or #6-#68}
#70	#5 and #69

Database: Web of Science

Last searched: 22 March 2018

Set	Search
#3	#2 AND #1 1990-2017 AND LANGUAGE: (English)
#2	(ts=nutrition or ts=feed* or ts=swallow* or ts=aspiration or ts=food or ts=eat* or ts=drink* or ts=bit* or ts=chew* or ts=digest* or ts=choke* or ts=choking or ts=cough* or ts=gagging or ts=gag* or ts=vomit* or ts=airway obstruct*)
#1	ts=Cerebral Palsy

C. Identifying and managing respiratory disorders associated with cerebral palsy

This is a combined search strategy and is the same used for all the evidence reviews for the C review questions as listed below.

C1 Monitoring respiratory health in adults with cerebral palsy

Review question: What is the most effective protocol for monitoring respiratory health in adults with cerebral palsy?

C2 Assisted ventilation

Review question: Does assisted ventilation improve quality of life for adults with cerebral palsy who have a chronic respiratory disorder (including respiratory failure)?

C3 Prophylactic treatments

Review question: Are prophylactic treatments (for example, antibiotics, chest physiotherapy, cough assistance) effective in preventing respiratory infections in adults with cerebral palsy?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oomezd
3	((cerebral or brain or central) adj2 (pal* or paraly#s or pares#s)).tw.
4	cerebral palsy.ti,ab.
5	little? disease.tw.
6	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
8	or/1-6
9	limit 8 to english language
10	limit 9 to (adult <18 to 64 years> or aged <65+ years>) use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
11	limit 9 to "all adult (19 plus years)" [Limit not valid in Embase; records were retained]
12	11 use prmz
13	or/10,12
14	exp Respiration/ or exp Respiration, Artificial/ or exp Respiratory Insufficiency/ or exp Respiration Disorders/ or exp Respiratory Tract Infections/ or exp Respiratory Aspiration/ or exp Pneumonia, Aspiration/ or exp Respiratory System Abnormalities/ or exp Respiratory Therapy/ or exp Respiratory Function Tests/ or exp Respiratory Paralysis/ or exp Respiratory Mechanics /or exp Positive-Pressure Respiration/ or exp Positive-Pressure Respiration, Intrinsic/ or exp Continuous Positive Airway Pressure/ or exp Respiratory Distress Syndrome, Adult/ or exp Respiratory Sounds/ or exp Gastroesophageal Reflux/ or exp Hypoxia/ or exp Sleep Apnea Syndromes/ or exp Sleep Apnea, Obstructive/ or exp

EARLY SUBMISSION

#	Searches
	<p>Airway Obstruction/ or exp Tracheotomy/ or exp Bronchial Diseases/ or exp Bronchitis/ or exp Bronchiectasis/ or exp Bronchoscopy/ or exp Laryngoscopy/ or exp Tracheobronchomalacia/ or exp Tracheal Diseases/ or exp Adenoidectomy/ or exp Tonsillectomy/ or exp Pulmonary Disease, Chronic Obstructive/ or exp Pulmonary Ventilation/ or exp Airway Management/ or exp Suction/ or exp Airway Resistance/ or exp Cough/ or exp Bronchial Spasm/ or exp Ventilator Weaning/ or exp Ventilators, Mechanical/ or exp Ventilators, Negative-Pressure/ or exp Pulmonary Edema/ or exp Oxygen Consumption/ or exp Oxygen Inhalation Therapy/ or exp Administration, Intranasal/ or exp Catheterization/ or exp Intubation, Intratracheal/ or exp Laryngeal Masks/ or exp Masks/ or exp Catheter Ablation/ or exp Pneumonia/ or exp Pneumonia, Ventilator-Associated/ or exp Ventilator-Induced Lung Injury/ or exp Mouth Breathing/ or exp Phrenic Nerve/ or exp Diaphragm/ or exp Hypoventilation/ or exp Oximetry/ or exp Oxyhemoglobins/ or exp Oxygen/ or exp Carbon Dioxide/ or exp Blood Gas Analysis/ or exp Tidal Volume/ or exp Sleep/ or exp Rest/ or exp Fatigue/ or exp Home Care Services/ or exp Self-Help Devices/ or exp Equipment Failure Analysis/ or exp Intensive Care Units/ or exp Dilatation/ or exp Critical Care/ or exp Self Care/ or exp "Quality of Life"/ or exp Ambulatory Care/ or exp Patient Admission/ or exp Hospitalization/ or exp "Length of Stay"/ or exp Institutionalization/ or exp Physical Therapy Modalities/ or exp Pulmonologists/ or exp Breathing Exercises/ or exp Anti-Bacterial Agents/ or exp Drug Resistance, Bacterial/ or exp Albuterol/ or exp "Nebulizers and Vaporizers"/ or exp Bronchodilator Agents/ or exp Administration, Inhalation/ or exp Saline Solution, Hypertonic/ or exp Influenza Vaccines/ or exp Gastrostomy/ or exp Deglutition Disorders/ or exp Deglutition/ or exp Chest Wall Oscillation/ or exp Asthma/ or exp Bronchopulmonary Dysplasia/ or exp Scoliosis/ or exp Amoxicillin/ or exp Penicillins/ or exp Doxycycline/ or exp Clarithromycin/ or exp Bacterial Infections/co [Complications]</p>
15	14 use prmz
16	<p>exp breathing/ or exp artificial ventilation/ or exp respiratory failure/ or exp breathing disorder/ or exp respiratory tract infection/ or exp acid aspiration/ or exp aspiration pneumonia/ or exp respiratory tract malformation/ or exp respiratory care/ or exp oxygen consumption/ or exp diaphragm paralysis/ or exp positive end expiratory pressure/ or exp adult respiratory distress syndrome/ or exp abnormal respiratory sound/ or exp gastroesophageal reflux/ or exp hypoxia/ or exp sleep disordered breathing/ or exp airway obstruction/ or exp dysphagia/ or exp swallowing/ or exp tracheotomy/ or exp lung functioning test/ or exp bronchus disease/ or exp bronchitis/ or exp bronchiectasis/ or exp bronchoscopy/ or exp laryngoscopy/ or exp tracheobronchomalacia/ or exp trachea disease/ or exp adenoidectomy/ or exp apnea monitoring/ or exp tonsillectomy/ or exp chronic obstructive lung disease/ or exp lung ventilation/ or exp breathing mechanics/ or exp respiration control/ or exp suction drainage/ or exp airway suction device/ or exp suction/ or exp tracheal suction catheter/ or exp suction pump/ or exp airway resistance/ or exp coughing/ or exp bronchospasm/ or exp ventilator/ or exp ventilator weaning/ or exp mechanical ventilator/ or exp lung edema/ or exp oxygen therapy/ or exp intranasal drug administration/ or exp catheterization/ or exp endotracheal intubation/ or exp laryngeal mask/ or exp mask/ or exp catheter ablation/ or exp ventilator associated pneumonia/ or exp pneumonia/ or exp ventilator induced lung injury/ or exp mouth breathing/ or exp phrenic nerve/ or exp diaphragm/ or exp hypoventilation/ or exp oximetry/ or exp oxyhemoglobin/ or exp oxygen/ or exp carbon dioxide/ or exp blood gas analysis/ or exp tidal volume/ or exp rest/ or exp sleep/ or exp sleep disordered breathing/ or exp fatigue/ or exp home care/ or exp self help device/ or exp device failure analysis/ or exp intensive care unit/ or exp dilatation/ or exp intensive care/ or exp self care/ or exp "quality of life"/ or exp ambulatory care/ or exp hospital admission/ or exp hospitalization/ or exp "length of stay"/ or exp institutionalization/ or exp physiotherapy/ or exp pulmonologist/ or exp breathing exercise/ or exp antiinfective agent/ or exp bacterial infection/ or exp antibiotic resistance/ or exp antibiotic agent/ or exp salbutamol/ or exp nebulizer/ or exp vaporizer/ or exp bronchodilating agent/ or exp inhalational drug administration/ or exp sodium chloride/ or exp influenza vaccine/ or exp gastrostomy/ or exp asthma/ or exp lung dysplasia/ or exp</p>

EARLY SUBMISSION

#	Searches
	scoliosis/ or exp amoxicillin/ or exp penicillin derivative/ or exp doxycycline/ or exp clarithromycin/
17	16 use oomezd
18	(respirat* or breath* or ventilat* or tracheo* or trachea* or intratracheal or intubat* or catheter* or airway* or mask* or tent* or sleep apn?ea or tube* or nasotracheal or CNT or obstruct* or mouth* or nose* or nasal or intranasal or nasogastric or failure or distress or pneumon* or lung* or phrenic nerve* or pulmonary* or diaphragm* or tracheo-bronchomalacia or hypoventilat* or positive airway pressure* or negative pressure* or CPAP or negative pressure chamber* or NPC or assist* or manag* or support* or help* or complicat* or leak* or prevent* or prophyla* or monitor* or assistive technology or hypox* or bronch* or bronchopulmonary or laryn* or adenoid* or tonsil* or resistan* or edema* or oxygen* or carbon dioxide or CO2 or inhal* or oximetr* or oxyhemoglobin* or tidal volume* or sleep* or fatigue* or daytime function* or home care or self-help* or self-care* or dilat* or cough* or chest physiotherapy* or antibiot* or critical or quality or hospital admission* or stay or institutional* or thermoplastic patient-ventilator tubing interface* or bedside percutaneous dilatational tracheostomy or PDT or BIPAP or chest infection* or inflammat* or aspiration* or tachypnoea or bronchial spasm* or phlegm* or wheez* or choking or choke* or swallow* or salbutamol or hyperinflation or deglutition* or oscillation* or nebuli?er* or vapor?er* or oral secretion* or saline or oro-pharyngeal suction* or saturation* or vaccine* or pulmonologist* or gastrostom* or bronchitis or percussion* or chest wall vibration* or kyphoscoliosis or amoxicillin or penicillin or doxycycline or clarithromycin).ti,ab.
19	15 or 17 or 18
20	13 and 19
21	conference abstract.pt. use oomezd
22	letter.pt. or LETTER/ use oomezd
23	Letter/ use prmz
24	EDITORIAL/ use prmz
25	editorial.pt. use oomezd
26	NEWS/ use prmz
27	exp HISTORICAL ARTICLE/ use prmz
28	note.pt. use oomezd
29	ANECDOTES AS TOPIC/ use prmz
30	COMMENT/ use prmz
31	CASE REPORT/ use prmz
32	CASE REPORT/ use oomezd
33	CASE STUDY/ use oomezd
34	(letter or comment* or abstracts).ti.
35	or/21-34
36	RANDOMIZED CONTROLLED TRIAL/ use prmz
37	RANDOMIZED CONTROLLED TRIAL/ use oomezd
38	random*.ti,ab.
39	or/36-38
40	35 not 39
41	ANIMALS/ not HUMANS/ use prmz
42	ANIMAL/ not HUMAN/ use oomezd
43	exp ANIMALS, LABORATORY/ use prmz

EARLY SUBMISSION

#	Searches
44	exp ANIMAL EXPERIMENTATION/ use prmz
45	exp MODELS, ANIMAL/ use prmz
46	exp RODENTIA/ use prmz
47	NONHUMAN/ use oomezd
48	exp ANIMAL EXPERIMENT/ use oomezd
49	exp EXPERIMENTAL ANIMAL/ use oomezd
50	ANIMAL MODEL/ use oomezd
51	exp RODENT/ use oomezd
52	(rat or rats or mouse or mice).ti.
53	or/40-52
54	20 not 53

Database: Cochrane Library

Last searched: 22 March 2018

ID	Search
#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Respiration] explode all trees
#7	MeSH descriptor: [Respiration, Artificial] explode all trees
#8	MeSH descriptor: [Respiratory Insufficiency] explode all trees
#9	MeSH descriptor: [Respiration Disorders] explode all trees
#10	MeSH descriptor: [Respiratory Tract Infections] explode all trees
#11	MeSH descriptor: [Respiratory Aspiration] explode all trees
#12	MeSH descriptor: [Pneumonia, Aspiration] explode all trees
#13	MeSH descriptor: [Respiratory System Abnormalities] explode all trees
#14	MeSH descriptor: [Respiratory Therapy] explode all trees
#15	MeSH descriptor: [Respiratory Paralysis] explode all trees
#16	MeSH descriptor: [Positive-Pressure Respiration] explode all trees
#17	MeSH descriptor: [Positive-Pressure Respiration, Intrinsic] explode all trees
#18	MeSH descriptor: [Continuous Positive Airway Pressure] explode all trees
#19	MeSH descriptor: [Respiratory Distress Syndrome, Adult] explode all trees
#20	MeSH descriptor: [Respiratory Sounds] explode all trees
#21	MeSH descriptor: [Gastroesophageal Reflux] explode all trees
#22	MeSH descriptor: [Hypoxia] explode all trees
#23	MeSH descriptor: [Sleep Apnea Syndromes] explode all trees
#24	MeSH descriptor: [Sleep Apnea, Obstructive] explode all trees
#25	MeSH descriptor: [Airway Obstruction] explode all trees
#26	MeSH descriptor: [Tracheotomy] explode all trees
#27	MeSH descriptor: [Bronchial Diseases] explode all trees

EARLY SUBMISSION

ID	Search
#28	MeSH descriptor: [Bronchitis] explode all trees
#29	MeSH descriptor: [Bronchiectasis] explode all trees
#30	MeSH descriptor: [Bronchoscopy] explode all trees
#31	MeSH descriptor: [Laryngoscopy] explode all trees
#32	MeSH descriptor: [Tracheobronchomalacia] explode all trees
#33	MeSH descriptor: [Tracheal Diseases] explode all trees
#34	MeSH descriptor: [Adenoidectomy] explode all trees
#35	MeSH descriptor: [Tonsillectomy] explode all trees
#36	MeSH descriptor: [Pulmonary Disease, Chronic Obstructive] explode all trees
#37	MeSH descriptor: [Pulmonary Ventilation] explode all trees
#38	MeSH descriptor: [Pulmonary Ventilation] explode all trees
#39	MeSH descriptor: [Airway Management] explode all trees
#40	MeSH descriptor: [Suction] explode all trees
#41	MeSH descriptor: [Airway Resistance] explode all trees
#42	MeSH descriptor: [Cough] explode all trees
#43	MeSH descriptor: [Bronchial Spasm] explode all trees
#44	MeSH descriptor: [Ventilator Weaning] explode all trees
#45	MeSH descriptor: [Ventilators, Mechanical] explode all trees
#46	MeSH descriptor: [Ventilators, Negative-Pressure] explode all trees
#47	MeSH descriptor: [Pulmonary Edema] explode all trees
#48	MeSH descriptor: [Oxygen Inhalation Therapy] explode all trees
#49	MeSH descriptor: [Administration, Intranasal] explode all trees
#50	MeSH descriptor: [Catheterization] explode all trees
#51	MeSH descriptor: [Intubation, Intratracheal] explode all trees
#52	MeSH descriptor: [Laryngeal Masks] explode all trees
#53	MeSH descriptor: [Masks] explode all trees
#54	MeSH descriptor: [Catheter Ablation] explode all trees
#55	MeSH descriptor: [Pneumonia] explode all trees
#56	MeSH descriptor: [Pneumonia, Ventilator-Associated] explode all trees
#57	MeSH descriptor: [Ventilator-Induced Lung Injury] explode all trees
#58	MeSH descriptor: [Mouth Breathing] explode all trees
#59	MeSH descriptor: [Phrenic Nerve] explode all trees
#60	MeSH descriptor: [Diaphragm] explode all trees
#61	MeSH descriptor: [Hypoventilation] explode all trees
#62	MeSH descriptor: [Oximetry] explode all trees
#63	MeSH descriptor: [Oxyhemoglobins] explode all trees
#64	MeSH descriptor: [Oxygen] explode all trees
#65	MeSH descriptor: [Carbon Dioxide] explode all trees
#66	MeSH descriptor: [Blood Gas Analysis] explode all trees
#67	MeSH descriptor: [Tidal Volume] explode all trees
#68	MeSH descriptor: [Sleep] explode all trees
#69	MeSH descriptor: [Fatigue] explode all trees

EARLY SUBMISSION

ID	Search
#70	MeSH descriptor: [Home Care Services] explode all trees
#71	MeSH descriptor: [Self-Help Devices] explode all trees
#72	MeSH descriptor: [Equipment Failure Analysis] explode all trees
#73	MeSH descriptor: [Intensive Care Units] explode all trees
#74	MeSH descriptor: [Dilatation] explode all trees
#75	MeSH descriptor: [Critical Care] explode all trees
#76	MeSH descriptor: [Self Care] explode all trees
#77	MeSH descriptor: [Quality of Life] explode all trees
#78	MeSH descriptor: [Ambulatory Care] explode all trees
#79	MeSH descriptor: [Patient Admission] explode all trees
#80	MeSH descriptor: [Hospitalization] explode all trees
#81	MeSH descriptor: [Length of Stay] explode all trees
#82	MeSH descriptor: [Institutionalization] explode all trees
#83	MeSH descriptor: [Physical Therapy Modalities] explode all trees
#84	MeSH descriptor: [Pulmonologists] explode all trees
#85	MeSH descriptor: [Breathing Exercises] explode all trees
#86	MeSH descriptor: [Anti-Bacterial Agents] explode all trees
#87	MeSH descriptor: [Drug Resistance, Bacterial] explode all trees
#88	MeSH descriptor: [Albuterol] explode all trees
#89	MeSH descriptor: [Nebulizers and Vaporizers] explode all trees
#90	MeSH descriptor: [Bronchodilator Agents] explode all trees
#91	MeSH descriptor: [Administration, Inhalation] explode all trees
#92	MeSH descriptor: [Saline Solution, Hypertonic] explode all trees
#93	MeSH descriptor: [Influenza Vaccines] explode all trees
#94	MeSH descriptor: [Gastrostomy] explode all trees
#95	MeSH descriptor: [Deglutition Disorders] explode all trees
#96	MeSH descriptor: [Deglutition] explode all trees
#97	MeSH descriptor: [Chest Wall Oscillation] explode all trees
#98	MeSH descriptor: [Asthma] explode all trees
#99	MeSH descriptor: [Bronchopulmonary Dysplasia] explode all trees
#100	MeSH descriptor: [Scoliosis] explode all trees
#101	MeSH descriptor: [Amoxicillin] explode all trees
#102	MeSH descriptor: [Penicillins] explode all trees
#103	MeSH descriptor: [Doxycycline] explode all trees
#104	MeSH descriptor: [Clarithromycin] explode all trees
#105	MeSH descriptor: [Bacterial Infections] explode all trees and with qualifier(s): [Complications - CO]
#106	respirat* or breath* or ventilat* or tracheo* or trachea* or intratracheal or intubat* or catheter* or airway* or mask* or tent* or sleep apn?ea or tube* or nasotracheal or CNT or obstruct* or mouth* or nose* or nasal or intranasal or nasogastic or failure or distress or pneumon* or lung* or phrenic nerve* or pulmonary* or diaphragm* or tracheo-bronchomalacia or hypoventilat* or positive airway pressure* or negative pressure* or CPAP or negative pressure chamber* or NPC or assist* or manag* or support* or help* or complicat* or leak* or prevent* or prophyla* or monitor* or assistive technology or hypox* or

EARLY SUBMISSION

ID	Search
	bronch* or bronchopulmonary or laryn* or adenoid* or tonsil* or resistan* or edema* or oxygen* or carbon dioxide or CO2 or inhal* or oximetr* or oxyhemoglobin* or tidal volume* or sleep* or fatigue* or daytime function* or home care or self-help* or self-care* or dilat* or cough* or chest physiotherapy* or antibiot* or critical or quality or hospital admission* or stay or institutional* or thermoplastic patient-ventilator tubing interface* or bedside percutaneous dilatational tracheostomy or PDT or BIPAP or chest infection* or inflammat* or aspiration* or tachypnoea or bronchial spasm* or phlegm* or wheez* or choking or choke* or swallow* or salbutamol or hyperinflation or deglutition* or oscillation* or nebuli?er* or vapor?er* or oral secretion* or saline or oro-pharyngeal suction* or saturation* or vaccine* or pulmonologist* or gastrostom* or bronchitis or percussion* or chest wall vibration* or kyphoscoliosis or amoxicillin or penicillin or doxycycline or clarithromycin
#107	{or #6-#106}
#108	#5 and #107

Database: Web of Science

Last searched: 22 March 2018

#4	(#3) AND LANGUAGE: (English)
#3	#2 AND #1
#2	ts=Artificial Respiration or ts=Respiratory Tract Infection* or ts=Aspiration or ts=respirat* failure* or ts=Pneumoni* or ts=Respiratory Therapy or ts=Respiratory Distress Syndrome or ts=Airway* Obstruction* or ts=Bronch* Disease* or ts=Pulmonary Ventilat* or ts=mechanical ventilation* or ts=Breathing Exercise* or ts=antibiotic* or ts=Vaccine* or ts=Bacterial Infection* or ts=breath* or ts=mask* or ts=tent* or ts=sleep apn?ea or ts=tube* or ts=hypoventilat* or ts=positive airway pressure* or ts=negative pressure* or ts=chest infection* or ts=inflammat* or ts=oxygen* or ts=carbon dioxide or ts=CO2 or ts=bronchial spasm* or ts=phlegm* or ts=wheez* or ts=choking or ts=choke* or ts=swallow* or ts=salbutamol or ts=percussion* or ts=chest wall vibration* or ts=scoliosis or ts=amoxicillin or ts=penicillin or ts=doxycycline or ts=clarithromycin
#1	ts=cerebral palsy

D. Interventions that improve function and participation

This is a combined search strategy and is the same used for all the evidence reviews for the D review questions as listed below.

D1 Vocational and independent living skills

Review question: Which interventions (for example, vocational and independent living skills training) promote participation in adults with cerebral palsy?

D2 Physical function

Review question: Which interventions are effective for maintaining physical function and mobility in adults with cerebral palsy?

EARLY SUBMISSION

D3 Electronic assistive technology

Review question: What is the effectiveness of electronic assistive technology in promoting independence in adults with cerebral palsy?

D4 Communication

Review question: Which interventions (for example augmentative and alternative communication systems) are effective in promoting communication for adults with cerebral palsy who have communication difficulties?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oemezd
3	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
4	cerebral palsy.ti,ab.
5	little? disease.tw.
6	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
8	or/1-7
9	limit 8 to english language
10	limit 9 to (adult <18 to 64 years> or aged <65+ years>) use oemezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
11	limit 9 to "all adult (19 plus years)" [Limit not valid in Embase; records were retained]
12	11 use prmz
13	or/10,12
14	exp Community Participation/ or exp Social Participation/ or exp "Activities of Daily Living"/ or exp Independent Living/ or exp Vocational Education/ or exp "Quality of Life"/ or exp Hearing Aids/ or exp Wheelchairs/ or exp Needs Assessment/ or exp Disability Evaluation/ or exp Self-Help Devices/ or exp Sickness Impact Profile/ or exp Sensory Aids/ or exp "Prostheses and Implants"/ or exp Orthotic Devices/ or exp Equipment Design/ or exp User-Computer Interface/ or exp communication aids for disabled/ or exp speech disorder/rh or exp Exercise/ or exp Rehabilitation/mt or exp Sports/ or exp Exercise Therapy/ or exp Orthopedic Procedures/ or exp Physical Therapy Modalities/
15	14 use prmz
16	social behavior/ or exp social adaptation/ or exp social participation/ or exp social interaction/ or exp community integration/ or exp community living/ or exp daily life activity/ or exp independent living/ or exp vocational education/ or exp "quality of life"/ or exp hearing aid/ or exp wheelchair/ or exp needs assessment/ or exp disability/ or exp self help device/ or exp Sickness Impact Profile/ or exp sensory aid/ or exp "prostheses and orthoses"/ or exp orthosis/ or exp implant/ or exp equipment design/ or exp computer interface/ or exp exercise/ or exp rehabilitation/ or exp self help/ or exp assistive technology/ or exp vocational guidance/ or exp communication aid/ or exp facilitated communication/ or exp eye tracking/ or exp sport/ or exp kinesiotherapy/ or exp orthopedic surgery/ or exp physiotherapy/
17	16 use oemezd

EARLY SUBMISSION

#	Searches
18	(participat* or (daily adj activit*) or (independen* adj5 liv*) or age* or aging or gender or motivat* or preference* or limitation* or restriction* or capacit* or performance* or (hand* adj5 object*) or assistive technolog* or (social adj5 interaction*) or employ* or vocation* or occupat* or educat* or profession* or isolat* or leisure activit* or mobil* or communicat* or eat* or dining or drink* or dress* or interact* or ((assistive or adaptive) adj5 (technolog* or device* or system*)) or home or school or work* or communit* or play* or eye tracking or sporting activit* or swim* or aqua* or upper limb training or bony procedure* or (neuro-developmental adj (treatment* or therap* or training)) or NDT or (muscle adj (tissue or tone)) or ((strength* or endurance) adj5 (program* or training*)) or ((tendon* or muscle*) adj (length* or stretch*)) or treadmill* or weight*).tw.
19	(augmentative or alternative communication or AAC or voice synthesizer* or accommodation* or sign language or gestur* or manual language board* or high?tech or touch screen* or speech?generating* or electronic keyboard* or phone* or iPad* or laptop* or computer* or modificat* or modify* or adapt* or custom* or tailor* or assist* or ((walking or hearing) adj aid*) or (communication adj (device* or system* or board*))).ti,ab.
20	15 or 17 or 18 or 19
21	13 and 20
22	conference abstract.pt. use oomezd
23	letter.pt. or LETTER/ use oomezd
24	Letter/ use prmz
25	EDITORIAL/ use prmz
26	editorial.pt. use oomezd
27	NEWS/ use prmz
28	exp HISTORICAL ARTICLE/ use prmz
29	note.pt. use oomezd
30	ANECDOTES AS TOPIC/ use prmz
31	COMMENT/ use prmz
32	CASE REPORT/ use prmz
33	CASE REPORT/ use oomezd
34	CASE STUDY/ use oomezd
35	(letter or comment* or abstracts).ti.
36	or/22-35
37	RANDOMIZED CONTROLLED TRIAL/ use prmz
38	RANDOMIZED CONTROLLED TRIAL/ use oomezd
39	random*.ti,ab.
40	or/37-39
41	36 not 40
42	ANIMALS/ not HUMANS/ use prmz
43	ANIMAL/ not HUMAN/ use oomezd
44	exp ANIMALS, LABORATORY/ use prmz
45	exp ANIMAL EXPERIMENTATION/ use prmz
46	exp MODELS, ANIMAL/ use prmz
47	exp RODENTIA/ use prmz
48	NONHUMAN/ use oomezd
49	exp ANIMAL EXPERIMENT/ use oomezd

EARLY SUBMISSION

#	Searches
50	exp EXPERIMENTAL ANIMAL/ use oomezd
51	ANIMAL MODEL/ use oomezd
52	exp RODENT/ use oomezd
53	(rat or rats or mouse or mice).ti.
54	or/41-53
55	21 not 54

Database: Cochrane Library

Last searched: 22 March 2018

Hits	Search
#1	MeSH descriptor: [Cerebral Palsy] explode all trees and with qualifier(s): [Physiopathology - PP, Rehabilitation - RH]
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Social Behavior] explode all trees
#7	MeSH descriptor: [Social Participation] explode all trees
#8	MeSH descriptor: [Interpersonal Relations] explode all trees
#9	MeSH descriptor: [Community Integration] explode all trees
#10	MeSH descriptor: [Independent Living] explode all trees
#11	MeSH descriptor: [Activities of Daily Living] explode all trees
#12	MeSH descriptor: [Vocational Education] explode all trees
#13	MeSH descriptor: [Quality of Life] explode all trees
#14	MeSH descriptor: [Hearing Aids] explode all trees
#15	MeSH descriptor: [Wheelchairs] explode all trees
#16	MeSH descriptor: [Needs Assessment] explode all trees
#17	MeSH descriptor: [Disability Evaluation] explode all trees
#18	MeSH descriptor: [Self-Help Devices] explode all trees
#19	MeSH descriptor: [Sickness Impact Profile] explode all trees
#20	MeSH descriptor: [Sensory Aids] explode all trees
#21	MeSH descriptor: [Prostheses and Implants] explode all trees
#22	MeSH descriptor: [Orthotic Devices] explode all trees
#23	MeSH descriptor: [Equipment Design] explode all trees
#24	MeSH descriptor: [User-Computer Interface] explode all trees
#25	MeSH descriptor: [Exercise] explode all trees
#26	MeSH descriptor: [Rehabilitation] explode all trees
#27	MeSH descriptor: [Vocational Guidance] explode all trees
#28	MeSH descriptor: [Communication Aids for Disabled] explode all trees
#29	MeSH descriptor: [Eye Movements] explode all trees
#30	MeSH descriptor: [Sports] explode all trees
#31	MeSH descriptor: [Exercise Therapy] explode all trees
#32	MeSH descriptor: [Orthopedic Procedures] explode all trees

EARLY SUBMISSION

Hits	Search
#33	MeSH descriptor: [Physical Therapy Modalities] explode all trees
#34	sporting activit* or swim* or aqua* or upper limb training or bony procedures or Neuro-developmental near (Treatment* or therap* or training) or NDT or muscle tissue or muscle tone or strength* or endurance or length* or stretch* or treadmill* or weight*
#35	participat* or independent liv* or age or aging or limitation* or restriction* or capacit* or performance* or Assistive technolog* or augmentative communication or alternative communication or AAC or employ* or vocation* or occupat* or educat* or profession* or leisure activit* or interaction* or home or school or work* or communit* or play* or accommodation* or sign language or gestur* or manual language board* or high?tech or touch screen* or speech?generating* or electronic keyboard* or phone* or iPad* or laptop* or computer or eye tracking or modif* or adapt* or custom* or tailor* or assist* or walking aid* or hearing aid*
#36	{or #6-#35}
#37	#5 and #36

Database: Web of Science

Last searched: 22 March 2018

#3	#2 AND #1 AND LANGUAGE: (English)
#2	ts=Social Behavior or ts=Social Participation or ts=Interpersonal Relations or ts=Community Integration or ts=Independent Living or ts=Activities of Daily Living or ts=Vocational Education or ts=Quality of Life or ts=Hearing Aid* or ts=Wheelchair* or ts=Disability Evaluation or ts=Needs Assessment or ts=Self-Help Device* or ts=Sensory Aid* or ts=Prostheses or ts=Implant* or ts=Orthotic Device* or ts=Equipment Design or ts=User-Computer Interface or ts=Exercise* or ts=Rehabilitation or ts=Vocational Guidance or ts=Sport* or ts=Exercise Therap* or ts=Orthopedic Surgery or ts=Physiotherapy OR TS=Assistive technolog* or TS=augmentative communication or TS=alternative communication or TS=AAC OR TS>manual language board* or TS=high?tech or TS=touch screen* or TS=speech?generating* or TS=electronic keyboard* or TS=phone* or TS=iPad* or TS=laptop* or TS=eye tracking
#1	ts=Cerebral Palsy

E. Identifying pain, such as musculoskeletal and gastrointestinal pain

Review question: What is the value of self-report and observational techniques for providing a standardised way of identifying and localising pain in adults with cerebral palsy?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present, PsycINFO 1806 to March Week 3 2018

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oomezd
3	exp Cerebral Palsy/ use psyh

EARLY SUBMISSION

#	Searches
4	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
5	cerebral palsy.ti,ab.
6	little? disease.tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
8	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
9	or/1-8
10	limit 9 to english language
11	limit 10 to (adult <18 to 64 years> or aged <65+ years>) use oemezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process,PsycINFO; records were retained]
12	limit 10 to "all adult (19 plus years)" [Limit not valid in Embase,PsycINFO; records were retained]
13	12 use prnz
14	limit 10 to adulthood <18+ years> [Limit not valid in Embase,Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
15	14 use psyh
16	or/11,13,15
17	exp Visceral Pain/ or exp Pain Threshold/ or exp Pain Management/ or exp Neck Pain/ or exp Pain Measurement/ or exp Pain/ or exp Facial Pain/ or exp Pain Perception/ or exp Pelvic Pain/ or exp Pain, Referred/ or exp Abdominal Pain/ or exp Chronic Pain/ or exp Musculoskeletal Pain/ or exp Low Back Pain/ or exp Chest Pain/ or exp Acute Pain/ or exp Pain Clinics/ or exp Shoulder Pain/ or exp Back Pain/ or exp Facial Expression/ or exp Anger/ or exp Emotions/ or exp Posture/ or exp Prevalence/ or exp "Severity of Illness Index"/ or exp Registries/ or exp Arthralgia/ or exp Disease Progression/ or exp Physicians, Primary Care/ or exp Physician's Role/ or exp Physicians, Family/ or exp Stress, Psychological/ or exp "Quality of Life"/ or exp Perception/ or exp Visual Analog Scale/ or exp Palliative Care/ or exp Behavior Therapy/ or exp Cognitive Therapy/ or exp Adaptation, Psychological/
18	17 use prnz
19	exp limb pain/ or exp low back pain/ or exp heel pain/ or exp Memorial Pain Assessment Card/ or exp chronic inflammatory pain/ or exp visceral pain/ or exp foot pain/ or exp ankle pain/ or exp gastrointestinal pain/ or exp pain/ or exp pressure pain threshold/ or exp jaw pain/ or exp referred pain/ or exp neck pain/ or exp spinal pain/ or exp Faces Pain Scale/ or exp pain parameters/ or exp wrist pain/ or exp "Shoulder Pain and Disability Index"/ or exp pain receptor/ or exp leg pain/ or exp McGill Pain Questionnaire/ or exp pain measurement/ or exp hip pain/ or exp pain clinic/ or exp abdominal pain/ or exp inflammatory pain/ or exp face pain/ or exp skin pain/ or exp upper abdominal pain/ or exp knee pain/ or exp Brief Pain Inventory/ or exp pain severity/ or exp arm pain/ or exp mouth pain/ or exp pain threshold/ or exp neuropathic pain/ or exp pain intensity/ or exp chronic pain/ or exp musculoskeletal pain/ or exp pelvic pain/ or exp bone pain/ or exp shoulder pain/ or exp lower abdominal pain/ or exp radicular pain/ or exp musculoskeletal chest pain/ or exp pain assessment/ or exp hand pain/ or exp stomach pain/ or exp phantom pain/ or exp analgesia/ or exp nociception/ or exp prevalence/ or exp facial expression/ or exp anger/ or exp emotion/ or exp body posture/ or exp "severity of illness index"/ or exp register/ or exp arthralgia/ or exp disease course/ or exp general practitioner/ or exp physician attitude/ or exp mental stress/ or exp "quality of life"/ or exp perception/ or exp visual analog scale/ or exp palliative therapy/ or exp cognitive therapy/ or exp behavior therapy/ or exp avoidance behavior/ or exp adaptive behavior/ or exp coping behavior/
20	19 use oemezd
21	exp pain management/ or exp pain perception/ or exp chronic pain/ or exp neuropathic pain/ or exp back pain/ or exp pain measurement/ or exp pain thresholds/ or exp pain/ or exp facial

EARLY SUBMISSION

#	Searches
	expressions/ or exp anger/ or exp emotions/ or exp posture/ or exp "quality of life"/ or exp "severity (disorders)"/ or exp disease course/ or exp knowledge level/ or exp clinical practice/ or exp primary health care/ or exp therapeutic processes/ or exp physicians/ or exp family physicians/ or exp health personnel attitudes/ or exp health care services/ or exp chronic illness/ or exp home care/ or exp stress reactions/ or exp distress/ or exp stress/ or exp psychological stress/ or exp coping behavior/ or exp rating scales/ or exp psychometrics/ or exp palliative care/ or exp Behavior Therapy/ or exp Cognitive Therapy/ or exp Coping Behavior/ or exp Client Participation/
22	21 use psych
23	((bod* adj expression*) or (behavio?r* adj change*) or (behavio?r adj therap*) or (cognitive adj therap*) or verbal or non?verbal or pain* or cope* or coping or adapt* or percept* or perceive* or manag* or avoid* or scale* or inventor* or index* or assess* or stress* or palliat*).ti,ab.
24	18 or 20 or 22 or 23
25	16 and 24
26	from 25 keep 1-5000
27	from 25 keep 5001-8151
28	remove duplicates from 26
29	remove duplicates from 27
30	28 or 29
31	conference abstract.pt. use oomezd
32	letter.pt. or LETTER/ use oomezd
33	Letter/ use prmz
34	EDITORIAL/ use prmz
35	editorial.pt. use oomezd
36	NEWS/ use prmz
37	exp HISTORICAL ARTICLE/ use prmz
38	note.pt. use oomezd
39	ANECDOTES AS TOPIC/ use prmz
40	COMMENT/ use prmz
41	CASE REPORT/ use prmz
42	CASE REPORT/ use oomezd
43	CASE STUDY/ use oomezd
44	(letter or comment* or abstracts).ti.
45	or/31-44
46	RANDOMIZED CONTROLLED TRIAL/ use prmz
47	RANDOMIZED CONTROLLED TRIAL/ use oomezd
48	random*.ti,ab.
49	or/46-48
50	45 not 49
51	ANIMALS/ not HUMANS/ use prmz
52	ANIMAL/ not HUMAN/ use oomezd
53	exp ANIMALS, LABORATORY/ use prmz
54	exp ANIMAL EXPERIMENTATION/ use prmz
55	exp MODELS, ANIMAL/ use prmz

EARLY SUBMISSION

#	Searches
56	exp RODENTIA/ use prmz
57	NONHUMAN/ use oomezd
58	exp ANIMAL EXPERIMENT/ use oomezd
59	exp EXPERIMENTAL ANIMAL/ use oomezd
60	ANIMAL MODEL/ use oomezd
61	exp RODENT/ use oomezd
62	(rat or rats or mouse or mice).ti.
63	or/50-62
64	30 not 63

Database: Cochrane Library

Last searched: 22 March 2018

ID	Search
#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paralys?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Pain] explode all trees
#7	MeSH descriptor: [Facial Expression] explode all trees
#8	MeSH descriptor: [Anger] explode all trees
#9	MeSH descriptor: [Emotions] explode all trees
#10	MeSH descriptor: [Posture] explode all trees
#11	MeSH descriptor: [Prevalence] explode all trees
#12	MeSH descriptor: [Severity of Illness Index] explode all trees
#13	MeSH descriptor: [Registries] explode all trees
#14	MeSH descriptor: [Arthralgia] explode all trees
#15	MeSH descriptor: [Disease Progression] explode all trees
#16	MeSH descriptor: [Physicians, Primary Care] explode all trees
#17	MeSH descriptor: [Physician's Role] explode all trees
#18	MeSH descriptor: [Physicians, Family] explode all trees
#19	MeSH descriptor: [Stress, Psychological] explode all trees
#20	MeSH descriptor: [Quality of Life] explode all trees
#21	MeSH descriptor: [Perception] explode all trees
#22	MeSH descriptor: [Visual Analog Scale] explode all trees
#23	MeSH descriptor: [Palliative Care] explode all trees
#24	MeSH descriptor: [Behavior Therapy] explode all trees
#25	MeSH descriptor: [Cognitive Therapy] explode all trees
#26	MeSH descriptor: [Adaptation, Psychological] explode all trees
#27	bod* expression* or behavior?r* or cognitive or verbal or non?verbal or pain* or cope* or coping or adapt* or percept* or perceive* or manag* or avoid* or scale* or inventor* or index* or assess* or stress* or palliat*

EARLY SUBMISSION

ID	Search
#28	#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 or #25 or #26 or #27
#29	#5 and #28

Database: Web of Science

Last searched: 22 March 2018

Set	Search
#3	#2 AND #1 AND LANGUAGE: (English)
#2	ts=pain*
#1	ts=cerebral palsy

F. Configuration of services

F1 Service design

Review question: What is the most clinical and cost-effective configuration of services (setting and staffing) for adults with cerebral palsy?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present, PsycINFO 1806 to March Week 3 2018

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oomezd
3	exp Cerebral Palsy/ use psyh
4	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
5	cerebral palsy.ti,ab.
6	little? disease.tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
8	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
9	or/1-8
10	limit 9 to english language
11	limit 10 to (adult <18 to 64 years> or aged <65+ years>) use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process,PsycINFO; records were retained]
12	limit 10 to "all adult (19 plus years)" [Limit not valid in Embase,PsycINFO; records were retained]
13	12 use prmz

EARLY SUBMISSION

#	Searches
14	limit 10 to adulthood <18+ years> [Limit not valid in Embase,Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
15	14 use psych
16	or/11,13,15
17	exp "delivery of health care"/ or exp health services administration/ or exp models, organizational/ or exp models, nursing/ or exp home health nursing/ or exp community health services/ or exp community health nursing/ or exp health services accessibility/ or exp Health Education/ or exp Health Care Rationing/ or exp Health Personnel/ or exp "Attitude of Health Personnel"/ or exp Patient Care Team/ or exp Health Status Indicators/ or exp Health Status/ or exp Rehabilitation Centers/ or exp "Physical and Rehabilitation Medicine"/ or exp Neurological Rehabilitation/ or exp Rehabilitation Nursing/ or exp Rehabilitation, Vocational/ or exp Rehabilitation/ or exp Psychiatric Rehabilitation/ or exp "Continuity of Patient Care"/ or exp Professional-Family Relations/ or exp Primary Health Care/ or exp "Patient Acceptance of Health Care"/ or exp "Quality of Health Care"/ or exp "Quality of Life"/ or exp Mental Health Services/ or exp "Health Services Needs and Demand"/ or exp Needs Assessment/ or exp Community Mental Health Services/ or exp Public Policy/ or exp Health Policy/ or exp "Standard of Care"/ or exp Professional Practice/ or exp Medical Audit/ or exp Clinical Audit/ or exp "Utilization Review"/ or exp State Medicine/ or exp Social Support/ or exp Social Work/ or exp Health Services for the Aged/ or exp Education, Special/ or exp Employment/ or exp Financing, Government/ or exp National Health Programs/ or exp "Referral and Consultation"/ or exp Hospitalization/ or exp Disability Evaluation/ or exp Disease Management/ or exp "Severity of Illness Index"/ or exp "Transportation of Patients"/ or exp Patient Preference/ or exp "Outcome and Process Assessment (Health Care)"/ or exp Sickness Impact Profile/ or exp "Activities of Daily Living"/ or exp Self Care/ or exp Exercise Therapy/ or exp Home Care Services/ or exp Complementary Therapies/ or exp Recreation/ or exp Leisure Activities/ or exp Age Factors/ or exp Life Style/ or exp Transition to Adult Care/ or exp Socioeconomic Factors/ or exp Aftercare/ or exp Speech Therapy/ or exp Language Therapy/ or exp Occupational Therapy/ or exp Physical Therapy Modalities/ or exp Behavior Therapy/ or exp Psychotherapy/ or exp Cognitive Therapy/ or exp Orthopedics/ or exp Neurosurgeons/ or exp Neurologists/ or exp Counseling/ or exp Counselors/ or exp Social Workers/ or exp Psychiatrists/ or exp Psychiatry/ or exp Epidemiologists/ or exp Dietetics/ or exp Nutritionists/ or exp Neurodevelopmental Disorders/rh [Rehabilitation]
18	17 use prnz
19	exp health care delivery/ or exp health service/ or exp nonbiological model/ or exp model/ or exp home care/ or exp community care/ or exp community health nursing/ or exp health education/ or exp health care organization/ or exp health care personnel/ or exp health personnel attitude/ or exp patient care/ or exp health status indicator/ or exp health status/ or exp rehabilitation medicine/ or exp neurorehabilitation/ or exp rehabilitation center/ or exp rehabilitation/ or exp rehabilitation nursing/ or exp vocational rehabilitation/ or exp psychosocial rehabilitation/ or exp human relation/ or exp primary health care/ or exp patient attitude/ or exp health care quality/ or exp "quality of life"/ or exp mental health service/ or exp needs assessment/ or exp public policy/ or exp health care policy/ or exp professional practice/ or exp clinical audit/ or exp "utilization review"/ or exp national health service/ or exp social support/ or exp social work/ or exp elderly care/ or exp education/ or exp employment/ or exp financial management/ or exp public health/ or exp patient referral/ or exp hospitalization/ or exp disability/ or exp disease management/ or exp "severity of illness index"/ or exp patient transport/ or exp patient preference/ or exp treatment outcome/ or exp Sickness Impact Profile/ or exp daily life activity/ or exp self care/ or exp kinesiotherapy/ or exp alternative medicine/ or exp recreation/ or exp leisure/ or age/ or exp lifestyle/ or exp transition to adult care/ or exp socioeconomics/ or exp aftercare/ or exp speech therapy/ or exp language therapy/ or exp occupational therapy/ or exp physiotherapy/ or exp behavior therapy/ or exp psychotherapy/ or exp cognitive therapy/ or exp counseling/ or exp neurosurgeon/ or exp neurologist/ or exp social worker/ or exp physiatrist/ or exp orthopedic surgeon/ or exp doctor patient relation/ or exp counseling/ or counselor/ or exp psychiatrist/

EARLY SUBMISSION

#	Searches
	or exp epidemiologist/ or exp dietitian/ or exp "organization and management"/ or exp teamwork/ or exp mental disease/rh [Rehabilitation]
20	19 use oemezd
21	((exp Health Care Utilization/ or exp "Quality of Care"/ or exp Health Care Reform/ or exp Mental Health Services/ or exp Health Personnel Attitudes/ or exp Health Care Services/ or exp Health Care Delivery/ or exp Health/ or exp Health Care Policy/ or exp Models/ or exp Organizational Effectiveness/ or exp Organizational Structure/ or exp Organizational Development/ or exp Nursing/ or exp Home Visiting Programs/ or exp Home Care/ or exp Public Health Service Nurses/ or exp Hospitalization/ or exp Public Health/ or exp Public Health Services/ or exp Community Health/ or exp Community Mental Health Services/ or exp Community Services/ or exp Health Promotion/ or exp Health Service Needs/ or exp Health Education/ or exp Resource Allocation/ or exp Health Personnel/ or exp Interdisciplinary Treatment Approach/ or exp Work Teams/ or exp Teams/ or exp Health Disparities/ or exp Rehabilitation Centers/ or exp Rehabilitation/ or exp Neuropsychological Rehabilitation/ or exp Neurorehabilitation/ or exp Nursing/) and exp Rehabilitation/) or exp Vocational Rehabilitation/ or exp Mental Disorders/ or exp "Continuum of Care"/ or exp Primary Health Care/ or exp Client Attitudes/ or exp "Quality of Life"/ or exp Needs Assessment/ or exp Government Policy Making/ or exp Professional Standards/ or exp Clinical Practice/ or exp Clinical Audits/ or exp Utilization Reviews/ or exp Alternative Medicine/ or exp Social Support/ or exp Social Casework/ or exp Aging/ or exp Special Education/ or exp Employment Status/ or exp Professional Referral/ or exp Professional Consultation/ or exp Consultation Liaison Psychiatry/ or exp Disability Evaluation/ or exp Disease Management/ or exp "Severity (Disorders)"/ or exp Treatment Barriers/ or exp Preferences/ or exp Decision Making/ or exp "Activities of Daily Living"/ or exp Self-Care Skills/ or exp Self-Management/ or exp Self-Efficacy/ or exp Coping Behavior/ or exp Exercise/ or exp recreation/ or exp recreation therapy/ or exp Well Being/ or exp Leisure Time/ or exp Participation/ or exp Lifestyle/ or exp Client Transfer/ or exp Socioeconomic Status/ or exp aftercare/ or exp Language Therapy/ or exp Speech Therapy/ or exp Occupational Therapy/ or exp Physical Therapy/ or exp Psychotherapy/ or exp Behavior Therapy/ or exp Cognitive Therapy/ or exp Surgeons/ or exp neurologists/ or exp Social Workers/ or exp Neurology/ or exp Physicians/ or exp psychiatrists/ or exp psychiatry/ or exp Epidemiology/ or exp Allied Health Personnel/ or exp Nutrition/ or exp Diets/ or exp Neurodevelopmental Disorders/ or exp Psychotherapeutic Processes/ or exp Counseling/ or exp Counseling Psychology/ or exp Counselors/ or exp Client Centered Therapy/ or exp Management/) and exp Organizations/
22	21 use psych
23	((care or healthcare or nursing or nurse*) adj3 (organi* or deliv* or service* or model* or communit* or home* or domicil*)),ti,ab.
24	((home* or domicil* or communit* or outreach or access* or special*) adj3 (care or healthcare or center* or centre* or clinic* or service*)),ti,ab.
25	((therapeut* or treatment* or program* or service*) adj5 (need* or individual* or tailor* or care or personal* or anticipatory or enablement or re?enablement or continuity)),ti,ab.
26	((multidisciplin* adj2 team*) or MDT).ti,ab.
27	(treatment* or therapy* or program* or change* or public understanding or intervention* or holistic or rehab* or policy or policies or empower* or disempower* or improve* or standard* or service* or planning or support* or manag* or mainstream* or assist* or provi* or training or funding or network* or quality or local* or communit* or hospital* or home or measure* or scale* or score* or teamwork or aftercare or follow-up* or follow up* or initiative* or surveill* or self-care or life style or ageing or age* or daily or body maintenance or self-care or health*).ti,ab.
28	(epidemiologist* or occupational therapist* or counselor* or nutritionist* or dietician* or orthop?edic* or neurosurgeon* or neurologist* or social worker* or general practitioner or GP

EARLY SUBMISSION

#	Searches
	or specialist* or surgeon* or physiotherapist* or psychiat* or speech therapist* or language therapist*).ti,ab.
29	(Local Authorit* or Health Board* or health service* or Community Disability Team*).ti,ab.
30	(Canadian Occupational Performance Measure or COPM).ti,ab.
31	or/23-30
32	18 or 20 or 22 or 31
33	16 and 32
34	conference abstract.pt. use oomezd
35	letter.pt. or LETTER/ use oomezd
36	Letter/ use prmz
37	EDITORIAL/ use prmz
38	editorial.pt. use oomezd
39	NEWS/ use prmz
40	exp HISTORICAL ARTICLE/ use prmz
41	note.pt. use oomezd
42	ANECDOTES AS TOPIC/ use prmz
43	COMMENT/ use prmz
44	CASE REPORT/ use prmz
45	CASE REPORT/ use oomezd
46	CASE STUDY/ use oomezd
47	(letter or comment* or abstracts).ti.
48	or/34-47
49	RANDOMIZED CONTROLLED TRIAL/ use prmz
50	RANDOMIZED CONTROLLED TRIAL/ use oomezd
51	random*.ti,ab.
52	or/49-51
53	48 not 52
54	ANIMALS/ not HUMANS/ use prmz
55	ANIMAL/ not HUMAN/ use oomezd
56	exp ANIMALS, LABORATORY/ use prmz
57	exp ANIMAL EXPERIMENTATION/ use prmz
58	exp MODELS, ANIMAL/ use prmz
59	exp RODENTIA/ use prmz
60	NONHUMAN/ use oomezd
61	exp ANIMAL EXPERIMENT/ use oomezd
62	exp EXPERIMENTAL ANIMAL/ use oomezd
63	ANIMAL MODEL/ use oomezd
64	exp RODENT/ use oomezd
65	(rat or rats or mouse or mice).ti.
66	or/53-65
67	33 not 66
68	limit 67 to yr="1990 -Current"

EARLY SUBMISSION

Database: Cochrane Library

Last searched: 22 March 2018

ID	Search
#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Delivery of Health Care] explode all trees
#7	MeSH descriptor: [Health Services Administration] explode all trees
#8	MeSH descriptor: [Models, Organizational] explode all trees
#9	MeSH descriptor: [Models, Nursing] explode all trees
#10	MeSH descriptor: [Home Health Nursing] explode all trees
#11	MeSH descriptor: [Community Health Services] explode all trees
#12	MeSH descriptor: [Community Health Nursing] explode all trees
#13	MeSH descriptor: [Health Services Accessibility] explode all trees
#14	MeSH descriptor: [Health Education] explode all trees
#15	MeSH descriptor: [Health Care Rationing] explode all trees
#16	MeSH descriptor: [Health Personnel] explode all trees
#17	MeSH descriptor: [Attitude of Health Personnel] explode all trees
#18	MeSH descriptor: [Patient Care Team] explode all trees
#19	MeSH descriptor: [Health Status Indicators] explode all trees
#20	MeSH descriptor: [Health Status] explode all trees
#21	MeSH descriptor: [Rehabilitation Centers] explode all trees
#22	MeSH descriptor: [Physical and Rehabilitation Medicine] explode all trees
#23	MeSH descriptor: [Neurological Rehabilitation] explode all trees
#24	MeSH descriptor: [Rehabilitation Nursing] explode all trees
#25	MeSH descriptor: [Rehabilitation, Vocational] explode all trees
#26	MeSH descriptor: [Rehabilitation] explode all trees
#27	MeSH descriptor: [Psychiatric Rehabilitation] explode all trees
#28	MeSH descriptor: [Continuity of Patient Care] explode all trees
#29	MeSH descriptor: [Professional-Family Relations] explode all trees
#30	MeSH descriptor: [Primary Health Care] explode all trees
#31	MeSH descriptor: [Patient Acceptance of Health Care] explode all trees
#32	MeSH descriptor: [Quality of Health Care] explode all trees
#33	MeSH descriptor: [Quality of Life] explode all trees
#34	MeSH descriptor: [Mental Health Services] explode all trees
#35	MeSH descriptor: [Health Services Needs and Demand] explode all trees
#36	MeSH descriptor: [Needs Assessment] explode all trees
#37	MeSH descriptor: [Community Mental Health Services] explode all trees
#38	MeSH descriptor: [Public Policy] explode all trees
#39	MeSH descriptor: [Health Policy] explode all trees
#40	MeSH descriptor: [Standard of Care] explode all trees

EARLY SUBMISSION

ID	Search
#41	MeSH descriptor: [Professional Practice] explode all trees
#42	MeSH descriptor: [Medical Audit] explode all trees
#43	MeSH descriptor: [Clinical Audit] explode all trees
#44	MeSH descriptor: [Utilization Review] explode all trees
#45	MeSH descriptor: [State Medicine] explode all trees
#46	MeSH descriptor: [Social Support] explode all trees
#47	MeSH descriptor: [Social Work] explode all trees
#48	MeSH descriptor: [Health Services for the Aged] explode all trees
#49	MeSH descriptor: [Education, Special] explode all trees
#50	MeSH descriptor: [Employment] explode all trees
#51	MeSH descriptor: [Financing, Government] explode all trees
#52	MeSH descriptor: [National Health Programs] explode all trees
#53	MeSH descriptor: [Referral and Consultation] explode all trees
#54	MeSH descriptor: [Hospitalization] explode all trees
#55	MeSH descriptor: [Disability Evaluation] explode all trees
#56	MeSH descriptor: [Disease Management] explode all trees
#57	MeSH descriptor: [Severity of Illness Index] explode all trees
#58	MeSH descriptor: [Transportation of Patients] explode all trees
#59	MeSH descriptor: [Patient Preference] explode all trees
#60	MeSH descriptor: [Outcome and Process Assessment (Health Care)] explode all trees
#61	MeSH descriptor: [Sickness Impact Profile] explode all trees
#62	MeSH descriptor: [Activities of Daily Living] explode all trees
#63	MeSH descriptor: [Self Care] explode all trees
#64	MeSH descriptor: [Exercise Therapy] explode all trees
#65	MeSH descriptor: [Home Care Services] explode all trees
#66	MeSH descriptor: [Complementary Therapies] explode all trees
#67	MeSH descriptor: [Recreation] explode all trees
#68	MeSH descriptor: [Leisure Activities] explode all trees
#69	MeSH descriptor: [Age Factors] explode all trees
#70	MeSH descriptor: [Life Style] explode all trees
#71	MeSH descriptor: [Transition to Adult Care] explode all trees
#72	MeSH descriptor: [Socioeconomic Factors] explode all trees
#73	MeSH descriptor: [Aftercare] explode all trees
#74	MeSH descriptor: [Speech Therapy] explode all trees
#75	MeSH descriptor: [Language Therapy] explode all trees
#76	MeSH descriptor: [Occupational Therapy] explode all trees
#77	MeSH descriptor: [Physical Therapy Modalities] explode all trees
#78	MeSH descriptor: [Behavior Therapy] explode all trees
#79	MeSH descriptor: [Psychotherapy] explode all trees
#80	MeSH descriptor: [Cognitive Therapy] explode all trees
#81	MeSH descriptor: [Orthopedics] explode all trees
#82	MeSH descriptor: [Neurologists] explode all trees

EARLY SUBMISSION

ID	Search
#83	MeSH descriptor: [Counseling] explode all trees
#84	MeSH descriptor: [Counselors] explode all trees
#85	MeSH descriptor: [Social Workers] explode all trees
#86	MeSH descriptor: [Psychiatry] explode all trees
#87	MeSH descriptor: [Dietetics] explode all trees
#88	MeSH descriptor: [Nutritionists] explode all trees
#89	MeSH descriptor: [Neurodevelopmental Disorders] explode all trees and with qualifier(s): [Rehabilitation - RH]
#90	(care or healthcare or nursing or nurse* or center* or centre* or clinic) near (organi* or deliv* or service* or model* or communit* or home* or domicil*)
#91	(therapeut* or treatment* or program* or service*) near (need* or individual* or tailor* or care or personal* or anticipatory or enablement or re?enablement or continuity)
#92	multidisciplin* near team* or MDT
#93	treatment* or therapy* or program* or change* or public understanding or intervention* or holistic or rehab* or policy or policies or empower* or disempower* or improve* or standard* or service* or planning or support* or manag* or mainstream* or assist* or provi* or training or funding or network* or quality or local* or communit* or hospital* or home or measure* or scale* or score* or teamwork or aftercare or follow-up* or follow up* or initiative* or surveill* or self-care or life style or ageing or age* or daily or body maintenance or self-care or health*
#94	epidemiologist* or occupational therapist* or counselor* or nutritionist* or dietician* or orthop?edic* or neurosurgeon* or neurologist* or social worker* or general practitioner or GP or specialist* or surgeon* or physiotherapist* or psychiat* or speech therapist* or language therapist*
#95	{or #6-#94}
#96	#5 and #95 Publication Year from 1990 to 2017

Database: Web of Science

Last searched: 22 March 2018

#4	(#3) AND LANGUAGE: (English)
#3	#2 AND #1
#2	ts=healthcare or ts=service* or ts=model* or ts=therapeut* or ts=treatment* or ts=program* or ts=need* or ts=multidisciplin* team* or ts=MDT or ts=change* or ts=public understanding or ts=intervention* or ts=holistic or ts=rehab* or ts=policy or ts=policies or ts=empower* or ts=disempower* or ts=improve* or ts=standard* or ts=planning or ts=support* or ts=manag* or ts=mainstream* or ts=assist* or ts=provi* or ts=training or ts=funding or ts=network* or ts=quality or ts=local* or ts=communit* or ts=hospital* or ts=home or ts=measure* or ts=scale* or ts=score* or ts=teamwork or ts=aftercare or ts=follow-up or ts=follow up or ts=initiative* or ts=surveill* or ts=self-care or ts=life style or ts=ageing or ts=body maintenance or ts=epidemiologist* or ts=occupational therapist* or ts=counsel* or ts=nutritionist* or ts=dietician* or ts=orthop?edic* or ts=neurosurgeon* or ts=neurologist* or ts=social worker* or ts=general practitioner or ts=GP or ts=specialist* or ts=surgeon* or ts=physiotherapist* or ts=psychiat* or ts=speech therapist* or ts=language therapist*
#1	ts=cerebral palsy

EARLY SUBMISSION

F2 Service design access to primary and secondary care

Review question: What service configuration and what interventions can facilitate access to health care in adults with cerebral palsy, and what are the perceived barriers and facilitators for access to care in adults with cerebral palsy?

Database: Medline & Embase (Multifile)

Database(s): Embase 1974 to 2018 March 22, Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present, PsycINFO 1806 to March Week 3 2018

Last searched: 22 March 2018

#	Searches
1	exp Cerebral Palsy/ use prmz
2	exp cerebral palsy/ use oomezd
3	exp Cerebral Palsy/ use psyh
4	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
5	cerebral palsy.ti,ab.
6	little? disease.tw.
7	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
8	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
9	or/1-8
10	limit 9 to english language
11	limit 10 to (adult <18 to 64 years> or aged <65+ years>) use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process,PsycINFO; records were retained]
12	limit 10 to "all adult (19 plus years)" [Limit not valid in Embase,PsycINFO; records were retained]
13	12 use prmz
14	limit 10 to adulthood <18+ years> [Limit not valid in Embase,Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process; records were retained]
15	14 use psyh
16	or/11,13,15
17	exp Aging/ or exp Ambulatory Care/ or exp "Attitude of Health Personnel"/ or exp Choice Behavior/ or exp Communication/ or exp Community Health Services/ or exp Consumer Behavior/ or exp Decision Making/ or exp Disability Evaluation/ or exp Educational Status/ or exp Family Health/ or exp Patient-Centered Care/ or exp Professional-Family Relations/ or exp Health Knowledge, Attitudes, Practice/ or exp Health Planning/ or exp Health Services/ or exp Health Status/ or exp Health Status Disparities/ or exp Health Services Accessibility/ or exp Health Policy/ or exp "Delivery of Health Care"/ or exp Women's Health/ or exp Attitude to Health/ or exp "Patient Acceptance of Health Care"/ or exp Help-Seeking Behavior/ or exp Insurance, Hospitalization/ or exp Patient Readmission/ or exp Hospitalization/ or exp Family Practice/ or exp Logistic Models/ or exp "Surveys and Questionnaires"/ or exp "Outcome and Process Assessment (Health Care)"/ or exp Primary Health Care/ or exp Quality Indicators, Health Care/ or exp "Quality of Health Care"/ or exp Treatment Refusal/ or exp Patient Compliance/ or exp Counseling/ or exp Medication Adherence/ or exp Behavior Therapy/ or exp Mobility Limitation/ or exp Mental Health Services/ or exp "Health Services Needs and Demand"/ or exp Needs Assessment/ or exp Community Mental Health Services/ or exp Health Services Research/ or exp Outpatients/ or exp Personal Autonomy/ or exp Physical Fitness/ or exp "Referral and Consultation"/ or exp "Physical and Rehabilitation Medicine"/ or exp Rehabilitation Centers/ or exp Rehabilitation/ or exp Personal Satisfaction/ or exp Insurance Coverage/ or exp Self Care/ or exp Public Policy/ or exp "Severity of Illness Index"/

EARLY SUBMISSION

#	Searches
	or exp Social Adjustment/ or exp Social Isolation/ or exp Social Support/ or exp Socioeconomic Factors/ or exp Student Dropouts/ or exp Policy/ or exp Disabled Persons/ or Physicians/st [Standards]
18	17 use prmz
19	exp aging/ or exp daily life activity/ or exp ambulatory care/ or exp health personnel attitude/ or exp interpersonal communication/ or exp community care/ or exp consumer attitude/ or exp disability/ or exp family health/ or exp family centered care/ or exp family nursing/ or exp patient care/ or exp attitude to health/ or exp health status/ or exp health disparity/ or exp decision making/ or exp social support/ or exp adaptive behavior/ or exp help seeking behavior/ or exp patient attitude/ or exp cooperation/ or exp educational status/ or exp health behavior/ or exp social aspect/ or exp hospitalization/ or exp independence/ or exp primary medical care/ or exp health insurance/ or exp patient referral/ or exp medical specialist/ or exp health care access/ or exp hospital/ or exp statistical model/ or exp outcome assessment/ or exp health care quality/ or exp quality control/ or exp medication compliance/ or exp walking difficulty/ or exp health service/ or exp health care need/ or exp needs assessment/ or exp "organization and management"/ or exp health services research/ or exp mental health service/ or exp health care organization/ or exp health care delivery/ or exp outpatient care/ or exp personal autonomy/ or exp rehabilitation medicine/ or exp fitness/ or exp physician/ or exp patient referral/ or exp rehabilitation care/ or exp rehabilitation/ or exp life satisfaction/ or exp satisfaction/ or exp patient satisfaction/ or exp public health service/ or exp financial management/ or exp income/ or exp health care policy/ or exp insurance/ or exp self care/ or exp "severity of illness index"/ or exp social adaptation/ or exp social isolation/ or exp socioeconomics/ or exp school dropout/ or exp questionnaire/ or exp health care planning/ or exp wellbeing/ or exp women's health/ or exp treatment refusal/ or exp patient compliance/ or exp counseling/ or exp policy/ or exp disabled person/
20	19 use oomezd
21	exp aging/ or exp outpatient treatment/ or exp health knowledge/ or exp health attitudes/ or exp mental health personnel/ or exp health education/ or exp knowledge level/ or exp primary health care/ or exp health care services/ or exp health personnel/ or exp health personnel attitudes/ or exp disabilities/ or exp choice behavior/ or exp communication skills training/ or exp augmentative communication/ or exp communication barriers/ or exp interpersonal communication/ or exp communication/ or exp communication skills/ or exp health care delivery/ or exp health service needs/ or exp community mental health services/ or exp "quality of care"/ or exp community services/ or exp health care utilization/ or exp health/ or exp mental health services/ or exp community health/ or exp health care policy/ or exp hospitals/ or exp consumer behavior/ or exp disability evaluation/ or exp education/ or exp family/ or exp decision making/ or exp patients/ or exp treatment planning/ or exp client centered therapy/ or exp client satisfaction/ or exp client attitudes/ or exp caregivers/ or exp therapist attitudes/ or exp health disparities/ or exp government policy making/ or exp health insurance/ or exp stigma/ or exp health care seeking behavior/ or exp treatment compliance/ or exp hospital admission/ or exp family physicians/ or exp item response theory/ or exp questionnaires/ or exp surveys/ or exp treatment effectiveness evaluation/ or exp treatment refusal/ or exp compliance/ or exp counseling/ or exp behavior therapy/ or exp physical activity/ or exp physical mobility/ or exp needs assessment/ or exp hospitalized patients/ or exp health care costs/ or exp hospitalization/ or exp outpatients/ or exp autonomy/ or exp "independence (personality)"/ or exp well being/ or exp "activities of daily living"/ or exp physical fitness/ or exp professional referral/ or exp professional consultation/ or exp rehabilitation/ or exp rehabilitation centers/ or exp life satisfaction/ or exp satisfaction/ or exp health insurance/ or exp self-care skills/ or exp self-management/ or exp "severity (disorders)"/ or exp social adjustment/ or exp social isolation/ or exp social support/ or exp socioeconomic status/ or exp disability laws/ or exp "disabled (attitudes toward)"/ or exp disability discrimination/
22	21 use psych

EARLY SUBMISSION

#	Searches
23	(barrier* or limit* or access* or utili* or need* or exclusion* or exclude* or inclusion or include* or well?being or isolat* or support* or service* or health or service* or work* or educat* or financ* or leisure or recreat* or cultur* or social or adjust* or earn* or insurance or challeng* or satisf* or rehabilitat* or fitness or sport* or care* or plan* or independen* or disparit* or attitud* or family?centred or contact* or time* or consult* or insufficien* or participat* or connect* or discriminat* or stigma or inequalit* or policy or policies or knowledge or equipment* or information* or communicat* or interact* or appointment* or examination* or space or treatment room* or wheelchair* or visual aid* or assist* or physical therap* or dental* or wellness or legislative or government).ti,ab.
24	("Health and Social Care Act" or "Care Bill").ti,ab.
25	18 or 20 or 22 or 23 or 24
26	16 and 25
27	conference abstract.pt. use oomezd
28	letter.pt. or LETTER/ use oomezd
29	Letter/ use prmz
30	EDITORIAL/ use prmz
31	editorial.pt. use oomezd
32	NEWS/ use prmz
33	exp HISTORICAL ARTICLE/ use prmz
34	note.pt. use oomezd
35	ANECDOTES AS TOPIC/ use prmz
36	COMMENT/ use prmz
37	CASE REPORT/ use prmz
38	CASE REPORT/ use oomezd
39	CASE STUDY/ use oomezd
40	(letter or comment* or abstracts).ti.
41	or/27-40
42	RANDOMIZED CONTROLLED TRIAL/ use prmz
43	RANDOMIZED CONTROLLED TRIAL/ use oomezd
44	random*.ti,ab.
45	or/42-44
46	41 not 45
47	ANIMALS/ not HUMANS/ use prmz
48	ANIMAL/ not HUMAN/ use oomezd
49	exp ANIMALS, LABORATORY/ use prmz
50	exp ANIMAL EXPERIMENTATION/ use prmz
51	exp MODELS, ANIMAL/ use prmz
52	exp RODENTIA/ use prmz
53	NONHUMAN/ use oomezd
54	exp ANIMAL EXPERIMENT/ use oomezd
55	exp EXPERIMENTAL ANIMAL/ use oomezd
56	ANIMAL MODEL/ use oomezd
57	exp RODENT/ use oomezd
58	(rat or rats or mouse or mice).ti.

EARLY SUBMISSION

#	Searches
59	or/46-58
60	26 not 59

Database: Cochrane Library

Last searched: 22 March 2018

ID	Search
#1	MeSH descriptor: [Cerebral Palsy] explode all trees
#2	((cerebral or brain or central) N2 (pal* or paraly?s or pare?s))
#3	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N5 spastic*)
#4	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) N3 ataxi*)
#5	#1 or #2 or #3 or #4
#6	MeSH descriptor: [Delivery of Health Care] explode all trees
#7	MeSH descriptor: [Health Services Administration] explode all trees
#8	MeSH descriptor: [Models, Organizational] explode all trees
#9	MeSH descriptor: [Logistic Models] explode all trees
#10	MeSH descriptor: [Community Health Services] explode all trees
#11	MeSH descriptor: [Health Services Research] explode all trees
#12	MeSH descriptor: [Health Services Accessibility] explode all trees
#13	MeSH descriptor: [Health Education] explode all trees
#14	MeSH descriptor: [Health Care Rationing] explode all trees
#15	MeSH descriptor: [Health Personnel] explode all trees
#16	MeSH descriptor: [Attitude of Health Personnel] explode all trees
#17	MeSH descriptor: [Patient Care Team] explode all trees
#18	MeSH descriptor: [Health Status Indicators] explode all trees
#19	MeSH descriptor: [Health Status] explode all trees
#20	MeSH descriptor: [Health Status Disparities] explode all trees
#21	MeSH descriptor: [Health Planning] explode all trees
#22	MeSH descriptor: [Rehabilitation Centers] explode all trees
#23	MeSH descriptor: [Physical and Rehabilitation Medicine] explode all trees
#24	MeSH descriptor: [Aging] explode all trees
#25	MeSH descriptor: [Rehabilitation] explode all trees
#26	MeSH descriptor: [Continuity of Patient Care] explode all trees
#27	MeSH descriptor: [Professional-Family Relations] explode all trees
#28	MeSH descriptor: [Primary Health Care] explode all trees
#29	MeSH descriptor: [Patient Acceptance of Health Care] explode all trees
#30	MeSH descriptor: [Quality of Health Care] explode all trees
#31	MeSH descriptor: [Quality Indicators, Health Care] explode all trees
#32	MeSH descriptor: [Quality of Life] explode all trees
#33	MeSH descriptor: [Mental Health Services] explode all trees
#34	MeSH descriptor: [Health Services Needs and Demand] explode all trees
#35	MeSH descriptor: [Needs Assessment] explode all trees
#36	MeSH descriptor: [Community Mental Health Services] explode all trees

EARLY SUBMISSION

ID	Search
#37	MeSH descriptor: [Public Policy] explode all trees
#38	MeSH descriptor: [Health Policy] explode all trees
#39	MeSH descriptor: [Standard of Care] explode all trees
#40	MeSH descriptor: [Professional Practice] explode all trees
#41	MeSH descriptor: [Utilization Review] explode all trees
#42	MeSH descriptor: [State Medicine] explode all trees
#43	MeSH descriptor: [Social Support] explode all trees
#44	MeSH descriptor: [Social Work] explode all trees
#45	MeSH descriptor: [Health Knowledge, Attitudes, Practice] explode all trees
#46	MeSH descriptor: [Educational Status] explode all trees
#47	MeSH descriptor: [Student Dropouts] explode all trees
#48	MeSH descriptor: [Employment] explode all trees
#49	MeSH descriptor: [Financing, Government] explode all trees
#50	MeSH descriptor: [National Health Programs] explode all trees
#51	MeSH descriptor: [Referral and Consultation] explode all trees
#52	MeSH descriptor: [Hospitalization] explode all trees
#53	MeSH descriptor: [Disability Evaluation] explode all trees
#54	MeSH descriptor: [Disease Management] explode all trees
#55	MeSH descriptor: [Disabled Persons] explode all trees
#56	MeSH descriptor: [Severity of Illness Index] explode all trees
#57	MeSH descriptor: [Transportation of Patients] explode all trees
#58	MeSH descriptor: [Patient Preference] explode all trees
#59	MeSH descriptor: [Outcome and Process Assessment (Health Care)] explode all trees
#60	MeSH descriptor: [Activities of Daily Living] explode all trees
#61	MeSH descriptor: [Self Care] explode all trees
#62	MeSH descriptor: [Ambulatory Care] explode all trees
#63	MeSH descriptor: [Home Care Services] explode all trees
#64	MeSH descriptor: [Complementary Therapies] explode all trees
#65	MeSH descriptor: [Recreation] explode all trees
#66	MeSH descriptor: [Leisure Activities] explode all trees
#67	MeSH descriptor: [Age Factors] explode all trees
#68	MeSH descriptor: [Life Style] explode all trees
#69	MeSH descriptor: [Transition to Adult Care] explode all trees
#70	MeSH descriptor: [Socioeconomic Factors] explode all trees
#71	MeSH descriptor: [Social Adjustment] explode all trees
#72	MeSH descriptor: [Social Isolation] explode all trees
#73	MeSH descriptor: [Aftercare] explode all trees
#74	MeSH descriptor: [Physical Therapy Modalities] explode all trees
#75	MeSH descriptor: [Choice Behavior] explode all trees
#76	MeSH descriptor: [Counseling] explode all trees
#77	MeSH descriptor: [Communication] explode all trees
#78	MeSH descriptor: [Consumer Behavior] explode all trees

EARLY SUBMISSION

ID	Search
#79	MeSH descriptor: [Decision Making] explode all trees
#80	MeSH descriptor: [Family Health] explode all trees
#81	MeSH descriptor: [Family Practice] explode all trees
#82	MeSH descriptor: [Women's Health] explode all trees
#83	MeSH descriptor: [Attitude to Health] explode all trees
#84	MeSH descriptor: [Patient Acceptance of Health Care] explode all trees
#85	MeSH descriptor: [Help-Seeking Behavior] explode all trees
#86	MeSH descriptor: [Insurance, Hospitalization] explode all trees
#87	MeSH descriptor: [Patient Readmission] explode all trees
#88	MeSH descriptor: [Hospitalization] explode all trees
#89	MeSH descriptor: [Surveys and Questionnaires] explode all trees
#90	MeSH descriptor: [Treatment Refusal] explode all trees
#91	MeSH descriptor: [Patient Compliance] explode all trees
#92	MeSH descriptor: [Medication Adherence] explode all trees
#93	MeSH descriptor: [Behavior Therapy] explode all trees
#94	MeSH descriptor: [Mobility Limitation] explode all trees
#95	MeSH descriptor: [Outpatients] explode all trees
#96	MeSH descriptor: [Personal Autonomy] explode all trees
#97	MeSH descriptor: [Physical Fitness] explode all trees
#98	MeSH descriptor: [Personal Satisfaction] explode all trees
#99	MeSH descriptor: [Insurance Coverage] explode all trees
#100	MeSH descriptor: [Physicians] explode all trees and with qualifier(s): [Standards - ST]
#101	barrier* or limit* or access* or utili* or need* or exclusion* or exclude* or inclusion or include* or well?being or isolat* or support* or service* or health or service* or work* or educat* or financ* or leisure or recreat* or cultur* or social or adjust* or earn* or insurance or challeng* or satisf* or rehabilitat* or fitness or sport* or care* or plan* or independen* or disparit* or attitud* or family?centred or contact* or time* or consult* or insufficien* or participat* or connect* or discriminat* or stigma or inequalit* or policy or policies or knowledge or equipment* or information* or communicat* or interact* or appointment* or examination* or space or treatment room* or wheelchair* or visual aid* or assist* or physical therap* or dental* or wellness or legislative or government or "Health and Social Care Act" or "Care Bill"
#102	{or #6-#101}
#103	#5 and #102

Database: Web of Science

Last searched: 22 March 2018

#4	(#3) AND LANGUAGE: (English)
#3	#2 AND #1
#2	ts=barrier* or ts=limit* or ts=access* or ts=utili* or ts=need* or ts=exclusion* or ts=exclude* or ts=inclusion or ts= include* or ts=well?being or ts=isolat* or ts=support* or ts=service* or ts=health care service* or ts=work* or ts=educat* or ts=financ* or ts=leisure or ts=recreat* or ts=cultur* or ts=social or ts=adjust* or ts=earn* or ts=insurance or ts=challeng* or ts=satisf* or ts=rehabilitat* or ts=fitness or ts=sport* or ts=care* or ts=plan* or ts=independen* or ts=disparit* or ts=attitud* or ts=family?centred or ts=contact* or ts=time* or ts=consult* or ts=insufficien* or ts=participat* or ts=connect* or ts=discriminat* or ts=stigma or ts=inequalit*

EARLY SUBMISSION

#4	(#3) AND LANGUAGE: (English)
	or ts=policy or ts=policies or ts=knowledge or ts=equipment* or ts=information* or ts=communicat* or ts=interact* or ts=appointment* or ts=examination* or ts=space or ts=treatment room* or ts=wheelchair* or ts=visual aid* or ts=assist* or ts=physical therap* or ts=physiotherapy* or ts=dental* or ts=wellness or ts=legislative or ts=government
#1	ts=cerebral palsy

Economic literature search strategies

The same literature search was carried out across all guideline topics for any health economic studies relating to cerebral palsy in adults.

Health economics

Multifile search strategy

Date of initial search: 20 March 2017

Date of last search: 12 March 2018

1.	exp Cerebral Palsy/ use prmz
2.	exp cerebral palsy/ use oomezd
3.	((cerebral or brain or central) adj2 (pal* or paraly#s or pares#s)).tw.
4.	cerebral palsy.ti,ab.
5.	little? disease.tw.
6.	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
7.	((hemipleg* or dipleg* or tripleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
8.	or/1-6
9.	limit 8 to english language
10.	health economics/ use oomezd
11.	exp economic evaluation/ use oomezd
12.	exp health care cost/ use oomezd
13.	exp fee/ use oomezd
14.	budget/ use oomezd
15.	funding/ use oomezd
16.	or/10-15
17.	exp Economics/ use prmz
18.	Value of life/ use prmz
19.	exp "Costs and Cost Analysis"/ use prmz
20.	exp Economics, Hospital/ use prmz
21.	exp Economics, Medical/ use prmz
22.	Economics, Nursing/ use prmz
23.	Economics, Pharmaceutical/ use prmz
24.	exp "Fees and Charges"/ use prmz
25.	exp Budgets/ use prmz
26.	or/17-25
27.	(economic* or pharmaco?economic*).ti.
28.	(price* or pricing*).ti,ab.
29.	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
30.	(financ* or fee or fees).ti,ab.
31.	(value adj2 (money or monetary)).ti,ab.
32.	budget*.ti,ab.

EARLY SUBMISSION

1.	exp Cerebral Palsy/ use prmz
33.	cost*.ti.
34.	or/27-33
35.	16 or 26 or 34
36.	9 and 35

Economic scoping search

Database: Embase 1974 to 2017 March 20

#	Searches
1	cerebral palsy/
2	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
3	little? disease.tw.
4	((hemipleg* or dipleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
5	((hemipleg* or dipleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.
6	or/1-5
7	limit 6 to (adult <18 to 64 years> or aged <65+ years>)
8	limit 7 to english language
9	health economics/
10	exp economic evaluation/
11	exp health care cost/
12	exp fee/
13	budget/
14	funding/
15	budget*.ti,ab.
16	cost*.ti.
17	(economic* or pharmaco?economic*).ti.
18	(price* or pricing*).ti,ab.
19	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
20	(financ* or fee or fees).ti,ab.
21	(value adj2 (money or monetary)).ti,ab.
22	or/9-21
23	8 and 22

Database(s): Ovid MEDLINE(R)

Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

#	Searches
1	Cerebral Palsy/
2	((cerebral or brain or central) adj2 (pal* or paralys#s or pares#s)).tw.
3	little? disease.tw.
4	((hemipleg* or dipleg* or quadripleg* or unilateral*) adj5 spastic*).tw.
5	((hemipleg* or dipleg* or quadripleg* or unilateral*) adj3 ataxi*).tw.

EARLY SUBMISSION

#	Searches
6	or/1-5
7	limit 6 to "all adult (19 plus years)"
8	limit 7 to english language
9	Economics/
10	Value of life/
11	exp "Costs and Cost Analysis"/
12	exp Economics, Hospital/
13	exp Economics, Medical/
14	Economics, Nursing/
15	Economics, Pharmaceutical/
16	exp "Fees and Charges"/
17	exp Budgets/
18	budget*.ti,ab.
19	cost*.ti.
20	(economic* or pharmaco?economic*).ti.
21	(price* or pricing*).ti,ab.
22	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
23	(financ* or fee or fees).ti,ab.
24	(value adj2 (money or monetary)).ti,ab.
2	or/9-24
26	8 and 25