

## Rehabilitation for chronic neurological disorders including acquired brain injury

**[L] Evidence review for support to access education**

*NICE guideline NG252*

*No recommendations were made from this evidence review  
October 2025*

*Final*

*This evidence review was developed by NICE*



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Local commissioners and/or providers have a responsibility to enable the guideline to be applied when individual health professionals and their patients or service users wish to use it. They should do so in the context of local and national priorities for funding and developing services, and in light of their duties to have due regard to the need to eliminate unlawful discrimination, to advance equality of opportunity and to reduce health inequalities. Nothing in this guideline should be interpreted in a way that would be inconsistent with compliance with those duties.

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# Support to access education

## Review question

What is the effectiveness of interventions or approaches for supporting people to remain in, return to or leave education and training?

## Introduction

Participating in education and training can be very challenging for people with chronic neurological disorders (CND). Problems include remaining in or returning to training programmes and education, both further and higher education. These challenges may arise from issues around acceptability, availability, accessibility, integration, equalities considerations, provision of information and enabling transition from one environment to another.

There appears to be little guidance available for health professionals working with people with CND to assist them in education and training. There is a sense there could be significant improvement in the situation, to enable inclusion and the well-being arising from successful engagement, including the potential acquisition of educational and training qualifications and the creation of life changing opportunities. This review was conducted to evaluate the interventions designed to support people with CND to participate in education and training.

## Summary of the protocol

See Table 1 for a summary of the Population, Intervention, Comparison and Outcome (PICO) characteristics of this review.

**Table 1: Summary of the protocol (PICO table)**

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Population</b>   | Adults and children with rehabilitation needs due to the following chronic neurological disorders: <ul style="list-style-type: none"> <li>○ Acquired brain injury</li> <li>○ Acquired spinal cord injury</li> <li>○ Acquired peripheral nerve disorders</li> <li>○ Progressive neurological diseases</li> <li>○ Functional neurological disorders</li> </ul>                                                                                                             |
| <b>Intervention</b> | <ul style="list-style-type: none"> <li>• Interventions to support participation in school education (including remaining in, returning to or leaving education)</li> <li>• Interventions to support participation in further and higher education (including remaining in, returning to or leaving further and higher education)</li> <li>• Interventions to support participation in training (including remaining in, returning to or leaving training)</li> </ul>     |
| <b>Comparison</b>   | <ul style="list-style-type: none"> <li>• Interventions compared with others in the same group or:</li> <li>• Placebo (placebo or sham)</li> <li>• Control (no intervention, waitlist, standard rehabilitation care alone, or 'usual care')</li> <li>• The same intervention (as listed under 'intervention') but varied in terms of: <ul style="list-style-type: none"> <li>○ Frequency</li> <li>○ Intensity</li> <li>○ Timing</li> <li>○ Setting</li> </ul> </li> </ul> |
| <b>Outcomes</b>     | <p><b>Critical:</b></p> <ul style="list-style-type: none"> <li>• Personal goal attainment (measured using a validated tool of personal goal attainment such as Goal Attainment Scale [GAS])</li> </ul>                                                                                                                                                                                                                                                                   |

- Return to or participation in education or training (assessed objectively by a count of return to or attendance at education or training)
  - Length of break from education (measured by days, weeks, months or years taken to support person back to school/ college)
- Important:**
- Patient satisfaction (measured using any standardised, validated measure of patient satisfaction)
  - Attainment of a qualification

For further details see the review protocol in appendix A.

## Methods and process

This evidence review was developed using the methods and process described in [Developing NICE guidelines: the manual](#). Methods specific to this review question are described in the review protocol in appendix A and the methods document (Supplement 1: methods).

Declarations of interest were recorded according to [NICE's conflicts of interest policy](#).

## Effectiveness evidence

### Included studies

One randomised controlled trial (RCT: Tate 2018) was included in this review.

The included study is summarised in Table 2.

The included study was conducted in Australia in adolescents with an acquired brain injury (Tate 2018). The intervention was a coaching intervention, which supports adolescents in the transition from school to the 'adult world' and this was compared with a no intervention control.

The included study did not report data from adults, nor from children and young people with an acquired spinal cord injury, acquired peripheral nerve disorders, progressive neurological disorders, or a functional neurological disorder.

Data for the following outcomes were identified through analysis of the included study:

- Return to or participation in education or training
- Patient satisfaction

No meta-analysis was conducted as only a single study was included.

See the literature search strategy in appendix B and study selection flow chart in appendix C.

### Excluded studies

Studies not included in this review are listed, and reasons for their exclusion are provided in appendix J.

## Summary of included studies

A summary of the study included in this review are presented in Table 2.

**Table 2: Summary of included study.**

| Study                                 | Population                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Intervention                                                                                                                                                                                                                                                                     | Comparison                                                           | Outcomes                                                                                                                                          |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Tate 2018<br><br>RCT<br><br>Australia | <p>N=43 children and young people with traumatic brain injury</p> <ul style="list-style-type: none"> <li>• Coaching intervention: n=21</li> <li>• No intervention: n=22</li> </ul> <p>Age in years [Mean (SD)]</p> <ul style="list-style-type: none"> <li>• Coaching intervention: 15.5 (1.2)</li> <li>• No intervention: 15.9 (1.1)</li> </ul> <p>Sex (M/F)</p> <ul style="list-style-type: none"> <li>• Coaching intervention: n=13/n=8</li> <li>• No intervention: n=17/n=5</li> </ul> <p>Chronic neurological disorder category: Acquired brain injury.</p> | <p>Coaching intervention</p> <p>Individualised and developed by the coaches with the participant and clinical consultant.</p> <p>30-60 minutes every 2-4 weeks over 12 months</p> <p>Protocol intervention group: Interventions to support participation in school education</p> | <p>Control defined as no treatment, no further details provided.</p> | <ul style="list-style-type: none"> <li>• Return to or participation in education or training</li> <li>• Patient satisfaction provided.</li> </ul> |

*N/n: number of participants; RCT: randomised controlled trial; SD: standard deviation*

See the full evidence tables in appendix D. No meta-analysis was conducted (and so there are no forest plots in appendix E).

## Summary of the evidence

Evidence was identified from 1 study on a coaching intervention in children and young people with acquired brain injury to support the transition from school to the 'adult world'. The coaching intervention showed no statistically significant difference between groups in terms of participation or satisfaction when compared to control.

All the evidence was of very low quality. Outcomes were typically downgraded due to concerns over risk of bias from the contributing study, indirectness and imprecision in the effect estimate. Effect estimates where no difference was found between interventions were all marked down for imprecision, and only came from 1 study. As such, these findings should not be taken as definitive evidence of no difference between the interventions.

There was no evidence for the following outcomes: goal attainment; length of break from education; qualification attainment.

See appendix F for full GRADE tables.



## **Economic evidence**

### **Included studies**

A systematic review of the economic literature was conducted but no economic studies were identified which were applicable to this review question.

See supplementary material 2 for details on the economic search undertaken for this guideline.

### **Excluded studies**

Economic studies not included in this review are listed, and reasons for their exclusion are provided in appendix J.

### **Summary of included economic evidence**

No economic studies were identified which were applicable to this review question.

### **Economic model**

No economic modelling was undertaken for this review because the committee agreed that other topics were higher priorities for economic evaluation.

## **The committee's discussion and interpretation of the evidence**

### **The outcomes that matter most**

Personal goal attainment, return to or participation in education or training, and length of break from education were prioritised as critical outcomes by the committee. This is because the aim of this question was to determine the effectiveness of interventions in terms of remaining in, returning to or leaving education and training for people with chronic neurological disorders.

Patient satisfaction and attainment of a qualification were selected as important outcomes to assess the effect of the rehabilitation interventions on the lives of people with chronic neurological disorders. It is important to understand the acceptability of these interventions and to know how they impact the day-to-day lives and academic or training attainment of people with chronic neurological disorders.

### **The quality of the evidence**

The evidence was assessed using GRADE methodology and the overall confidence in the findings was very low.

Findings were downgraded due to concerns relating to risk of bias (for example, the lack of blinding in the study because rehabilitation interventions and controls are difficult to conceal or because there was a large loss to follow-up). The evidence was also downgraded for indirectness in the outcome measured using CASP because only 1 out of 4 domains pertained to participation in school (home participation [6 items], neighbourhood/community participation [4 items], school participation [5 items], and home and community living activities [5 items]). Evidence was downgraded for imprecision due to the small sample size. Evidence was not downgraded for inconsistency, as all outcomes were limited to single study evidence and no meta-analyses were conducted.

There was no evidence for the following interventions:

- Support for participation in further and higher education

- Support for participation in training

There was no evidence for the following outcomes:

- Personal goal attainment
- Length of break from education
- Attainment of a qualification

See appendix F for full GRADE tables with quality ratings of all outcomes.

### **Benefits and harms**

The committee discussed the 1 study that was identified in the evidence review. The study showed no important difference in participation and satisfaction in adolescents with acquired brain injury receiving a coaching intervention when compared to control. Additionally, the committee noted that the evidence was of very low quality. Due to the paucity of evidence, the committee decided not to make recommendations based on this evidence review. Instead, they made their recommendations on access to education using qualitative evidence, and a full account of their discussion and recommendations can be found in evidence review K.

Given the paucity of evidence on access to education, the committee discussed the possibility of making a research recommendation. However, the committee agreed not to make research recommendations in this area as they were able to make recommendations based on their expertise which was also supported by qualitative data. The committee agreed to prioritise other areas for research recommendations, including some review questions for which no data were located at all.

### **Cost effectiveness and resource use**

There was no existing economic evidence for this review. Additionally, since there was a lack of evidence regarding effectiveness, the committee based their recommendations on qualitative evidence to support access to education. A detailed account of their discussion and recommendations can be found in evidence review K.

### **Other factors the committee took into account**

The committee decided not to make recommendations based on this evidence review. Instead, they made their recommendations on access to education using qualitative evidence, and a full account of their discussion and recommendations can be found in evidence review K.

### **Recommendations supported by this evidence review**

No recommendations were made from this evidence review.

## **References – included studies**

### **Effectiveness**

#### **Tate 2018**

Tate, R, Genders, M, Soo, C, et al. (2018) Preparing Adolescents for Life after School (PALS) Project: A Randomised Controlled Trial of a Coaching Intervention for Young People with Acquired Brain Injury. *Brain Impairment* 20(1):1–15

# Appendices

## Appendix A Review protocols

**Review protocol for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

**Table 3: Review protocol**

| ID | Field                        | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0. | PROSPERO registration number | CRD42023469184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1. | Review title                 | Rehabilitation for education and training                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2. | Review question              | What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 3. | Objective                    | To determine the effectiveness of rehabilitation interventions to support education and training for people with chronic neurological disorders.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4. | Searches                     | <p>The following databases will be searched:</p> <ul style="list-style-type: none"> <li>• Medline</li> <li>• Embase</li> <li>• Cochrane Central Register of Controlled Trials (CENTRAL)</li> <li>• Cochrane Database of Systematic Reviews (CDSR)</li> <li>• International Health Technology Assessment (INAHTA)</li> </ul> <p>Searches will be restricted by:</p> <ul style="list-style-type: none"> <li>• Date: 2013 onwards</li> <li>• English language</li> <li>• Human studies</li> <li>• Systematic Reviews</li> <li>• RCTs</li> <li>• Non-randomised studies</li> </ul> |

| ID | Field                             | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                   | <p>Other searches:</p> <ul style="list-style-type: none"> <li>Inclusion lists of systematic reviews</li> </ul> <p>With the agreement of the guideline committee the searches will be re-run 6 weeks before final submission of the review and further studies retrieved for inclusion.</p> <p>The full search strategies will be published in the final review.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 5. | Condition or domain being studied | Rehabilitation interventions to support education and training for people with chronic neurological disorders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6. | Population                        | <p>Inclusion: Adults and children with rehabilitation needs due to the following chronic neurological disorders:</p> <ul style="list-style-type: none"> <li>Acquired brain injury</li> <li>Acquired spinal cord injury</li> <li>Acquired peripheral nerve disorders</li> <li>Progressive neurological diseases</li> <li>Functional neurological disorders</li> </ul> <p>Exclusion:</p> <ul style="list-style-type: none"> <li>Conditions which do not fit one of the 5 categories of chronic neurological disorder as defined in the guideline scope. These exclusions will be by exception and examined on a case-by-case basis rather than whole disorder groups. For example, this guideline will not cover autonomic neuropathy or the acute stabilisation of conditions such as encephalitis or hydrocephalus and will not cover degenerative disc disorder as spinal discs do not form part of the spinal cord.</li> <li>Disorders for which interventions are primarily focused on altering body structure and functions, for example isolated peripheral nerve injuries such as single nerve or plexus injuries.</li> <li>Surgical management of conditions (for example brain tumours, orthopaedic complications).</li> <li>Conditions for which NICE rehabilitation and rehabilitation related recommendations already exist, including stroke in people aged 16 years and over, dementia including Alzheimer's disease, cerebral palsy, myalgic encephalomyelitis (or encephalopathy)/chronic fatigue syndrome and post-COVID-19 syndrome.</li> <li>Early rehabilitation after spinal cord injury as this will be covered in the NICE guideline on rehabilitation after traumatic injury</li> </ul> |
| 7. | Intervention                      | <ul style="list-style-type: none"> <li>Interventions to support participation in school education (including remaining in, returning to or leave education)</li> </ul> <p>Examples include</p> <ul style="list-style-type: none"> <li>Rehabilitation prescriptions</li> <li>Person specific needs training</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| ID | Field      | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |            | <ul style="list-style-type: none"> <li>- The local authority SEN process</li> <li>- Support for physical, cognitive and behavioural needs including for neurodiversity</li> <li>- Education, health and care plans</li> <li>- Awareness training for teachers</li> <li>- Alternative, bespoke education provision</li> <li>- Joint working and communication between health and education</li> <li>- Graded return to setting</li> <li>- Fast track pathway for return to education</li> <li>- Careers support and guidance</li> <li>- Benefits support and guidance</li> </ul> <ul style="list-style-type: none"> <li>• Interventions to support participation in further and higher education (including remaining in, returning to or leaving further and higher education)</li> </ul> <p>Examples include</p> <ul style="list-style-type: none"> <li>- Support for physical, cognitive and behavioural needs including for neurodiversity</li> <li>- Awareness training for tutors and lecturers</li> <li>- Education, health and care plans</li> <li>- Special or reasonable arrangements</li> <li>- Academic learning support</li> <li>- Care worker or personal assistant to support attendance</li> <li>- Careers support and guidance</li> <li>- Benefits support and guidance</li> </ul> <ul style="list-style-type: none"> <li>• Interventions to support participation in training (including remaining in, returning to or leaving training)</li> </ul> <p>Examples include those listed above but for the purpose of supporting training (such as support for physical, cognitive and behavioural needs including for neurodiversity, reasonable adjustments and learning support). Also, joint working and support for apprenticeships involving partnerships between further education college and employer.</p> |
| 8. | Comparator | <p>Interventions compared with others in the same group or:</p> <ul style="list-style-type: none"> <li>• Placebo (placebo or sham)</li> <li>• Control (no intervention, waitlist, standard rehabilitation care alone, or 'usual care')</li> <li>• The same intervention (as listed under 'intervention') but varied in terms of: <ul style="list-style-type: none"> <li>- Frequency</li> <li>- Intensity</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| ID  | Field                         | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                               | <ul style="list-style-type: none"> <li>- Timing</li> <li>- Setting</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 9.  | Types of study to be included | <p>Include published full-text papers:</p> <ul style="list-style-type: none"> <li>• Systematic reviews of RCTs</li> <li>• Experimental studies with random assignment to intervention and control groups.</li> </ul> <p>If insufficient* RCT evidence is located to support decision making about children and young people, then experimental studies with non-random assignment to intervention and control groups (quasi-randomised controlled trials, non-randomised controlled trials and prospective and retrospective cohort studies) will also be considered, if a method of controlling for confounding variables is used**. Systematic reviews of these studies will also be considered.</p> <p>*Sufficiency will be judged on issues such as the number and quality of the included studies; sample sizes, reported outcomes, and availability of data on subgroups of interest.</p> <p>**Studies must match or adjust for age and chronic neurological disorder.</p> <p>Other confounding factors are:</p> <ul style="list-style-type: none"> <li>• Sex</li> <li>• delivery setting, for instance whether community or inpatient.</li> </ul> |
| 10. | Other exclusion criteria      | <p>Inclusion:</p> <ul style="list-style-type: none"> <li>• Full text papers</li> <li>• Studies conducted in the UK, Australia, New Zealand and Canada and high-income European countries (according to the <a href="#">World Bank</a>).</li> </ul> <p>Exclusion:</p> <ul style="list-style-type: none"> <li>• Conference abstracts/proceedings</li> <li>• Non-English language articles</li> <li>• Articles published before 2013</li> <li>• Non-English language articles</li> <li>• Books, book chapters and theses.</li> <li>• Papers that do not include methodological details will not be included as they do not provide sufficient information to evaluate risk of bias/study quality.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| ID  | Field                                   | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. | Context                                 | Recommendations will apply to all inpatient (excluding critical care units), outpatient and community settings, including tertiary settings and care homes in which either fully or partially NHS-funded rehabilitation interventions for chronic neurological disorders are provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 12. | Primary outcomes (critical outcomes)    | <ul style="list-style-type: none"> <li>• Personal goal attainment (measured using a validated tool of personal goal attainment such as Goal Attainment Scale [GAS])</li> <li>• Return to or participation in education or training (assessed objectively by a count of return to or attendance at education or training)</li> <li>• Length of break from education (measured by days, weeks, months or years taken to support person back to school/college)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 13. | Secondary outcomes (important outcomes) | <ul style="list-style-type: none"> <li>• Patient satisfaction (measured using any standardised, validated measure of patient satisfaction)</li> <li>• Attainment of a qualification</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 14. | Data extraction (selection and coding)  | <p>All references identified by the searches and from other sources will be uploaded into EPPI reviewer and de-duplicated.</p> <p>Titles and abstracts of the retrieved citations will be screened to identify studies that potentially meet the inclusion criteria outlined in the review protocol.</p> <p>Dual sifting will be performed on at least 10% of records (or 300 records, whichever is smaller); 90% agreement is required and disagreements will be resolved via discussion with the senior systematic reviewer. The full set of records will not be dual screened because the population, interventions and relevant study designs are relatively clear and should be readily identified from titles and abstracts.</p> <p>Full versions of the selected studies will be obtained for assessment. Studies that fail to meet the inclusion criteria once the full version has been checked will be excluded at this stage. Each study excluded after checking the full version will be listed, along with the reason for its exclusion.</p> <p>The included and excluded studies lists will be circulated to the Topic Group for their comments. Resolution of disputes will be by discussion between the senior reviewer, Topic Advisor and Chair.</p> <p>A standardised form will be used to extract the following data from included studies: study details (reference, country where study was carried out, type and dates), participant characteristics, inclusion and exclusion criteria, details of the interventions if relevant, setting and follow-up, relevant outcome data and source of funding. This will be quality assessed by the senior reviewer.</p> |
| 15. | Risk of bias (quality) assessment       | Quality assessment of individual studies will be performed according to Developing NICE guidelines: the manual, using the following checklists.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| ID  | Field                       | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|     |                             | <ul style="list-style-type: none"> <li>• ROBIS tool for systematic reviews</li> <li>• Cochrane RoB tool v.2 for RCTs</li> <li>• Cochrane ROBINS-I for non-randomised controlled trials.</li> </ul> <p>The quality assessment will be performed by one reviewer and this will be quality assured by a senior reviewer.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 16. | Strategy for data synthesis | <p>Depending on the availability of the evidence, the findings will be summarised narratively or quantitatively.</p> <p>Where possible, pairwise meta-analyses will be conducted using Cochrane Review Manager software. A fixed effect meta-analysis will be conducted and data will be presented as odds ratios or risk ratios for dichotomous outcomes. Peto odds ratio will be used for outcomes with zero events. Mean differences or standardised mean differences will be calculated for continuous outcomes.</p> <p>Heterogeneity in the effect estimates of the individual studies will be assessed using the I<sup>2</sup> statistic. Alongside visual inspection of the point estimates and confidence intervals, I<sup>2</sup> values of greater than 50% and 80% will be considered as significant and very significant heterogeneity, respectively.</p> <p>Heterogeneity will be explored as appropriate using sensitivity analyses and pre-specified subgroup analyses. If heterogeneity cannot be explained through subgroup analysis then a random effects model will be used for meta-analysis, or the data will not be pooled.</p> <p>The confidence in the findings across all available evidence will be evaluated for each outcome using an adaptation of the 'Grading of Recommendations Assessment, Development and Evaluation (GRADE) toolbox' developed by the international GRADE working group: <a href="http://www.gradeworkinggroup.org/">http://www.gradeworkinggroup.org/</a></p> <p>Importance and imprecision of findings will be assessed against minimally important differences (MIDs). Default MIDs will be used for risk ratios and continuous outcomes only, unless the committee pre-specifies published or other MIDs for specific outcomes</p> <ul style="list-style-type: none"> <li>• For risk ratios: 0.8 and 1.25.</li> <li>• For continuous outcomes:</li> </ul> <p>MID is calculated by ranking the studies in order of SD in the control arms. The MID is calculated as +/- 0.5 times median SD.</p> <p>For studies that have been pooled using SMD (meta-analysed): +0.5 and -0.5 in the SMD scale are used as MID boundaries.</p> |



| ID                                  | Field                                      | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
|-------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------|--------------------------|----------------------|-------------------------------------|-------------------------------------|--------------------------|-------------|--------------------------|---------------|--------------------------|------------------|--------------------------|------------------------|
| 17.                                 | Analysis of sub-groups                     | <p>Evidence will be stratified by:</p> <ul style="list-style-type: none"> <li>Age at time of intervention (children vs. adults). Children are classified as being aged 17 years or younger.</li> <li>Functional neurological disorders as distinct from the 4 other categories of neurological disorder.</li> </ul> <p>Evidence will be sub-grouped by the following only in the event that there is significant heterogeneity in outcomes:</p> <p>The 4 disorder categories not separated out through a priori stratification (acquired brain injury, acquired spinal cord injury, acquired peripheral nerve disorders and progressive neurological diseases)</p> <p>Age (for the ≤17 years of age stratification only). Categories are &lt;4 years, 4-11 years and &gt;11 years</p> <p>Study design (RCT v. NRS)</p> <p>Where evidence is stratified or sub-grouped the committee will consider on a case-by-case basis if separate recommendations should be made for distinct groups. Separate recommendations may be made where there is evidence of a differential effect of interventions in distinct groups. If there is a lack of evidence in one group, the committee will consider, based on their experience, whether it is reasonable to extrapolate and assume the interventions will have similar effects in that group compared with others.</p> |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| 18.                                 | Type and method of review                  | <table border="1"> <tr> <td><input checked="" type="checkbox"/></td><td>Intervention</td></tr> <tr> <td><input type="checkbox"/></td><td>Diagnostic</td></tr> <tr> <td><input type="checkbox"/></td><td>Prognostic</td></tr> <tr> <td><input type="checkbox"/></td><td>Qualitative</td></tr> <tr> <td><input type="checkbox"/></td><td>Epidemiologic</td></tr> <tr> <td><input type="checkbox"/></td><td>Service Delivery</td></tr> <tr> <td><input type="checkbox"/></td><td>Other (please specify)</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input checked="" type="checkbox"/> | Intervention | <input type="checkbox"/> | Diagnostic           | <input type="checkbox"/>            | Prognostic                          | <input type="checkbox"/> | Qualitative | <input type="checkbox"/> | Epidemiologic | <input type="checkbox"/> | Service Delivery | <input type="checkbox"/> | Other (please specify) |
| <input checked="" type="checkbox"/> | Intervention                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| <input type="checkbox"/>            | Diagnostic                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| <input type="checkbox"/>            | Prognostic                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| <input type="checkbox"/>            | Qualitative                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| <input type="checkbox"/>            | Epidemiologic                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| <input type="checkbox"/>            | Service Delivery                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| <input type="checkbox"/>            | Other (please specify)                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| 19.                                 | Language                                   | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| 20.                                 | Country                                    | England                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| 21.                                 | Anticipated or actual start date           | May 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| 22.                                 | Anticipated completion date                | December 2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| 23.                                 | Stage of review at time of this submission | <table border="1"> <tr> <td>Review stage</td><td>Started</td><td>Completed</td></tr> <tr> <td>Preliminary searches</td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Review stage                        | Started      | Completed                | Preliminary searches | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                          |             |                          |               |                          |                  |                          |                        |
| Review stage                        | Started                                    | Completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |
| Preliminary searches                | <input checked="" type="checkbox"/>        | <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |              |                          |                      |                                     |                                     |                          |             |                          |               |                          |                  |                          |                        |

| ID  | Field                   | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|     |                         | <div>Piloting of the study selection process <input checked="" type="checkbox"/></div> <div>Formal screening of search results against eligibility criteria <input checked="" type="checkbox"/></div> <div>Data extraction <input checked="" type="checkbox"/></div> <div>Risk of bias (quality) assessment <input checked="" type="checkbox"/></div> <div>Data analysis <input checked="" type="checkbox"/></div>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 24. | Named contact           | <p>5a. Named contact NICE</p> <p>5b Named contact e-mail <a href="mailto:rehabforcnd@nice.org.uk">rehabforcnd@nice.org.uk</a></p> <p>5e Organisational affiliation of the review<br/>National Institute for Health and Care Excellence (NICE)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 25. | Review team members     | NICE Technical Team                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 26. | Funding sources/sponsor | This systematic review is being completed by NICE, which receives funding from the Department of Health and Social Care.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 27. | Conflicts of interest   | All guideline committee members and anyone who has direct input into NICE guidelines (including the evidence review team and expert witnesses) must declare any potential conflicts of interest in line with NICE's code of practice for declaring and dealing with conflicts of interest. Any relevant interests, or changes to interests, will also be declared publicly at the start of each guideline committee meeting. Before each meeting, any potential conflicts of interest will be considered by the guideline committee Chair and a senior member of the development team. Any decisions to exclude a person from all or part of a meeting will be documented. Any changes to a member's declaration of interests will be recorded in the minutes of the meeting. Declarations of interests will be published with the final guideline. |
| 28. | Collaborators           | <p>Development of this systematic review will be overseen by an advisory committee who will use the review to inform the development of evidence-based recommendations in line with section 3 of <a href="#">Developing NICE guidelines: the manual</a>.</p> <p>Members of the guideline committee are available on the NICE website: <a href="https://www.nice.org.uk/guidance/indevelopment/gid-ng10181">https://www.nice.org.uk/guidance/indevelopment/gid-ng10181</a></p>                                                                                                                                                                                                                                                                                                                                                                       |

| ID   | Field                                                    | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 29.  | Other registration details                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 30.  | Reference/URL for published protocol                     | <a href="http://crd.york.ac.uk/prospero/display_record.php?ID=CRD42023469184">crd.york.ac.uk/prospero/display_record.php?ID=CRD42023469184</a>                                                                                                                                                                                                                                                                                                                                             |
| 31.  | Dissemination plans                                      | NICE may use a range of different methods to raise awareness of the guideline. These include standard approaches such as: <ul style="list-style-type: none"> <li>• notifying registered stakeholders of publication</li> <li>• publicising the guideline through NICE's newsletter and alerts</li> <li>• issuing a press release or briefing as appropriate, posting news articles on the NICE website, using social media channels, and publicising the guideline within NICE.</li> </ul> |
| 32.  | Keywords                                                 | Acquired brain injury; acquired spinal cord injury; activities of daily living; neurological diseases; neurological disorders; peripheral nerve disorders; rehabilitation.                                                                                                                                                                                                                                                                                                                 |
| 33.  | Details of existing review of same topic by same authors | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 34.  | Current review status                                    | <input type="checkbox"/> Ongoing                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|      |                                                          | <input type="checkbox"/> Completed but not published                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|      |                                                          | <input checked="" type="checkbox"/> Completed and published                                                                                                                                                                                                                                                                                                                                                                                                                                |
|      |                                                          | <input type="checkbox"/> Completed, published and being updated                                                                                                                                                                                                                                                                                                                                                                                                                            |
|      |                                                          | <input type="checkbox"/> Discontinued                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 35.. | Additional information                                   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 36.  | Details of final publication                             | <a href="http://www.nice.org.uk">www.nice.org.uk</a>                                                                                                                                                                                                                                                                                                                                                                                                                                       |

CDSR: Cochrane Database of Systematic Reviews; CENTRAL: Cochrane Central Register of Controlled Trials; GRADE: Grading of Recommendations Assessment, Development and Evaluation; INAHTA: International Network of Agencies for Health Technology Assessment; MEDLINE: Medical Literature Analysis and Retrieval System Online; MID: minimally important difference; NICE: National Institute for Health and Care Excellence; NRS: non-randomised trials; PRESS: Peer Review of Electronic Search Strategies; RCT: randomised controlled trial; RoB: risk of bias; ROBINS-I: Risk Of Bias In Non-randomised Studies - of Interventions; ROBIS: risk of bias in systematic reviews; SMD: standard mean deviation; SD: standard deviation.

## Appendix B Literature search strategies

**Literature search strategies for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

**Database: Ovid MEDLINE(R) ALL <1946 to July 06, 2023>**

**Date of last search: 07/07/2023**

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

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

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| 66  | exp students/                                                                                                                                                                                                                                                                                                                |
| 67  | return to school/                                                                                                                                                                                                                                                                                                            |
| 68  | ((begin or enter* or entry or start* or tak* up or reent* or participat* or remain* or stay* or continu* or stop* or return* or end* or integrat* or reintegrat* or engage* or reengage* or transition* or attend*) adj4 (educat* or school* or universit* or college? or academ* or classroom? or train* or learn*)).ti,ab. |
| 69  | RTL.ti,ab.                                                                                                                                                                                                                                                                                                                   |
| 70  | education, distance/ or education, professional/ or education, nonprofessional/                                                                                                                                                                                                                                              |
| 71  | ((online or distance or professional or life long or lifelong or virtual*) adj2 (learning or education or training)) or elearning or "e learning").ti,ab.                                                                                                                                                                    |
| 72  | educational personnel/ or school teachers/ or faculty/ or teacher training/                                                                                                                                                                                                                                                  |
| 73  | ((educat* or school* or universit* or college? or academic) adj2 (staff? or personnel? or professional?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                        |
| 74  | ((teacher? or educator? or tutor? or lecturer? or school? or faculty or professor?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                                             |
| 75  | Education, Special/ or Mainstreaming, Education/ or "Education of Intellectually Disabled"/                                                                                                                                                                                                                                  |
| 76  | ((mainstream* or main stream* or special or alternative or bespoke or intellectual* disab*) adj4 (educat* or school*)).ti,ab.                                                                                                                                                                                                |
| 77  | student health services/ or school health services/                                                                                                                                                                                                                                                                          |
| 78  | school nursing/                                                                                                                                                                                                                                                                                                              |
| 79  | ((academic or college or school? or graduat* or postgrad* or student? or pupil? or undergrad* or campus?) adj4 service?).ti,ab.                                                                                                                                                                                              |
| 80  | (special educational needs coordinator? or SENCO).ti,ab.                                                                                                                                                                                                                                                                     |
| 81  | ((educat* or school? or universit* or college? or classroom? or pupil? or student?) adj4 (rehab* or telerehab* or neurorehab*)).ti,ab.                                                                                                                                                                                       |
| 82  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom? or curricul*) adj2 (accommodat* or adjust* or adapt* or modif* or flexib* or accessib* or assist*)).ti,ab.                                                                                                          |
| 83  | (reasonable adj4 (accommodat* or adjust* or modif* or flexib* or accessib*)).ti,ab.                                                                                                                                                                                                                                          |
| 84  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj2 (liaison? or care worker? or personal assist*)).ti,ab.                                                                                                                                                            |
| 85  | (school? adj2 nurs*).ti,ab.                                                                                                                                                                                                                                                                                                  |
| 86  | needs assessment/                                                                                                                                                                                                                                                                                                            |
| 87  | ((educat* or school? or learning or academic or student? or pupil? or learner?) adj4 (function* or skill? or productiv*) adj2 (assess* or evaluat* or inventor* or capacit*)).ti,ab.                                                                                                                                         |
| 88  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj4 (need? or plan* or intervention* or support*)).ti,ab.                                                                                                                                                             |
| 89  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train* or classroom?) adj4 (environment? or setting? or curricul*)).ti,ab.                                                                                                                                                     |
| 90  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((voice? or speech* or speak* or communicat*) adj4 (software* or tech* or device? or aid? or recogn*))).ti,ab.                                                                                                |
| 91  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((assist* or adapt* or "self help" or cogniti* support*) adj4 (tech* or device* or tool* or equipment* or hardware* or software*))).ti,ab.                                                                    |
| 92  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 (comput* adj4 (interfac* or hardware* or software* or equipment*))).ti,ab.                                                                                                                                    |
| 93  | exp training support/                                                                                                                                                                                                                                                                                                        |
| 94  | sick leave/                                                                                                                                                                                                                                                                                                                  |
| 95  | (training adj2 (program* or initiative? or opportunit* or support*)).ti,ab.                                                                                                                                                                                                                                                  |
| 96  | ((educat* or school? or universit* or college? or academ* or train* or learn* or student? or pupil? or postgrad* or undergrad* or graduate?) adj2 (financ* or grant? or scholarship? or fund* or subsid* or loan?)).ti,ab.                                                                                                   |
| 97  | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 ((pay or financ* or income?) adj1 (protect* or support* or assist* or aid?))).ti,ab.                                                                                                                                                  |
| 98  | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 (((disab* or sick*) adj2 (benefit? or pay)) or social security or employee assistance)).ti,ab.                                                                                                                                        |
| 99  | Vocational Education/ or Vocational Guidance/                                                                                                                                                                                                                                                                                |
| 100 | *volunteers/                                                                                                                                                                                                                                                                                                                 |

|     |                                                                                                                                                                                                                                                                                                                                                                                                          |
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| 101 | ((career? or job? or work* or employ* or unemploy* or vocation* or prevocation*) adj4 (coach* or training or trainee* or retrain* or shadow* or placement? or experience* or advice or guid* or counsel* or service? or educat* or program* or intervention* or scheme? or school* or peer support* or mentor* or motivational interview* or plan* or find* or apply? or applied or application)).ti,ab. |
| 102 | ((educat* or train* or learn* or career? or job? or vocation* or prevocation*) adj2 (develop* or progress* or goal? or success* or opportunity)).ti,ab.                                                                                                                                                                                                                                                  |
| 103 | ((voluntary or paid or unpaid) adj (work or employment or role?)).ti,ab.                                                                                                                                                                                                                                                                                                                                 |
| 104 | (intern? or internship? or traineeship? or apprentice* or volunteering).ti,ab.                                                                                                                                                                                                                                                                                                                           |
| 105 | or/63-104                                                                                                                                                                                                                                                                                                                                                                                                |
| 106 | 62 and 105                                                                                                                                                                                                                                                                                                                                                                                               |
| 107 | letter/                                                                                                                                                                                                                                                                                                                                                                                                  |
| 108 | editorial/                                                                                                                                                                                                                                                                                                                                                                                               |
| 109 | news/                                                                                                                                                                                                                                                                                                                                                                                                    |
| 110 | exp historical article/                                                                                                                                                                                                                                                                                                                                                                                  |
| 111 | Anecdotes as topic/                                                                                                                                                                                                                                                                                                                                                                                      |
| 112 | comment/                                                                                                                                                                                                                                                                                                                                                                                                 |
| 113 | case reports/                                                                                                                                                                                                                                                                                                                                                                                            |
| 114 | (letter or comment*).ti.                                                                                                                                                                                                                                                                                                                                                                                 |
| 115 | or/107-114                                                                                                                                                                                                                                                                                                                                                                                               |
| 116 | randomized controlled trial/ or random*.ti,ab.                                                                                                                                                                                                                                                                                                                                                           |
| 117 | 115 not 116                                                                                                                                                                                                                                                                                                                                                                                              |
| 118 | animals/ not humans/                                                                                                                                                                                                                                                                                                                                                                                     |
| 119 | exp Animals, Laboratory/                                                                                                                                                                                                                                                                                                                                                                                 |
| 120 | exp Animal Experimentation/                                                                                                                                                                                                                                                                                                                                                                              |
| 121 | exp Models, Animal/                                                                                                                                                                                                                                                                                                                                                                                      |
| 122 | exp Rodentia/                                                                                                                                                                                                                                                                                                                                                                                            |
| 123 | (rat or rats or rodent* or mouse or mice).ti.                                                                                                                                                                                                                                                                                                                                                            |
| 124 | or/117-123                                                                                                                                                                                                                                                                                                                                                                                               |
| 125 | 106 not 124                                                                                                                                                                                                                                                                                                                                                                                              |
| 126 | limit 125 to english language                                                                                                                                                                                                                                                                                                                                                                            |
| 127 | limit 126 to yr="2013 -Current"                                                                                                                                                                                                                                                                                                                                                                          |
| 128 | meta-analysis/                                                                                                                                                                                                                                                                                                                                                                                           |
| 129 | meta-analysis as topic/                                                                                                                                                                                                                                                                                                                                                                                  |
| 130 | (meta analy* or metanaly* or metaanaly*).ti,ab.                                                                                                                                                                                                                                                                                                                                                          |
| 131 | ((systematic* or evidence*) adj2 (review* or overview*)).ti,ab.                                                                                                                                                                                                                                                                                                                                          |
| 132 | (reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.                                                                                                                                                                                                                                                                                                             |
| 133 | (search strategy or search criteria or systematic search or study selection or data extraction).ab.                                                                                                                                                                                                                                                                                                      |
| 134 | (search* adj4 literature).ab.                                                                                                                                                                                                                                                                                                                                                                            |
| 135 | (medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab.                                                                                                                                                                                                                                                   |
| 136 | cochrane.jw.                                                                                                                                                                                                                                                                                                                                                                                             |
| 137 | or/128-136                                                                                                                                                                                                                                                                                                                                                                                               |
| 138 | randomized controlled trial.pt.                                                                                                                                                                                                                                                                                                                                                                          |
| 139 | controlled clinical trial.pt.                                                                                                                                                                                                                                                                                                                                                                            |
| 140 | pragmatic clinical trial.pt.                                                                                                                                                                                                                                                                                                                                                                             |
| 141 | randomi#ed.ab.                                                                                                                                                                                                                                                                                                                                                                                           |
| 142 | placebo.ab.                                                                                                                                                                                                                                                                                                                                                                                              |
| 143 | randomly.ab.                                                                                                                                                                                                                                                                                                                                                                                             |
| 144 | CLINICAL TRIALS AS TOPIC/ or trial.ti.                                                                                                                                                                                                                                                                                                                                                                   |
| 145 | or/138-144                                                                                                                                                                                                                                                                                                                                                                                               |
| 146 | 127 and (137 or 145)                                                                                                                                                                                                                                                                                                                                                                                     |

**Database: Embase <1974 to 2023 July 06>**

**Date of last search: 07/07/2023**

|    |                                                                                                                                                                                                                                                                                                                                                    |
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|    |                                                                                                                                                                                                                                                                                                                                                    |
| 1  | (head injury/ or exp brain injury/ or chronic brain disease/ or brain hemorrhage/ or brain hypoxia/ or exp brain tumor/ or brain disease/ or brain abscess/ or metabolic encephalopathy/ or cerebellum disease/ or exp cerebrovascular disease/ or encephalitis/ or hydrocephalus/) not (exp cerebrovascular accident/ or dementia/)               |
| 2  | ((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumor?r* or insult* or impair* or ischemi* or infarcti* or hypoxi* or drown*))ti,ab.                                                                |
| 3  | (chronic* adj1 trauma* adj2 encephalopath*)ti,ab.                                                                                                                                                                                                                                                                                                  |
| 4  | ((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor?r* or carcinom* or adenocarcinom*))ti,ab.                                                                                                                                                                                  |
| 5  | (brain* adj2 abscess*)ti,ab.                                                                                                                                                                                                                                                                                                                       |
| 6  | (carotid arter* adj2 (disease* or injur*))ti,ab.                                                                                                                                                                                                                                                                                                   |
| 7  | ("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*")ti,ab.                                                                                                                                                                                            |
| 8  | exp cerebrovascular accident/ and (adolescent/ or "minor (person)"/ or exp child/ or exp infant/ or pediatric/ or exp pediatrics/ or exp puberty/)                                                                                                                                                                                                 |
| 9  | (stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*"))ti,ab. |
| 10 | exp spinal cord injury/ or exp spinal cord tumor/ or epidural abscess/ or spinal cord disease/ or exp spinal cord vascular disease/ or spinal cord compression/ or transverse myelitis/                                                                                                                                                            |
| 11 | ((spinal* or spine?) adj2 (injur* or trauma* or tumor?r* or neoplasm* or cancer* or infect* or insult* or disease? or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*))ti,ab.                                                                                                                 |
| 12 | (Central cord syndrome* or transverse myelitis)ti,ab.                                                                                                                                                                                                                                                                                              |
| 13 | (epidural* adj2 (neoplasm* or cancer* or tumor?r* or abscess*))ti,ab.                                                                                                                                                                                                                                                                              |
| 14 | ((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*))ti,ab.                                                                                                                                                                   |
| 15 | peripheral nerve injury/ or exp cranial nerve injury/ or peripheral nerve tumor/ or exp cranial nerve tumor/ or exp peripheral neuropathy/ or exp cranial neuropathy/                                                                                                                                                                              |
| 16 | ((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor?r* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome?))ti,ab.                                                                                                             |
| 17 | (Guillain* adj1 Barr*)ti,ab.                                                                                                                                                                                                                                                                                                                       |
| 18 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*)ti,ab.                                                                                                                                       |
| 19 | (optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor?r*))ti,ab.                                                                                                                                                                                                                                                                                 |
| 20 | (brachial plexus adj1 (neuropath* or neuritis))ti,ab.                                                                                                                                                                                                                                                                                              |
| 21 | (complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*)ti,ab.                                                                                                                                                                                                                                              |
| 22 | ((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*)ti,ab.                                                                                                                                                                                                                                                    |
| 23 | ((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*)ti,ab.                                                                                                                                                                                                                                                    |
| 24 | (pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*)ti,ab.                                                                                                                                                                                                                                       |
| 25 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*)ti,ab.                                                                                                                                     |
| 26 | (periph* adj2 neuropath*)ti,ab.                                                                                                                                                                                                                                                                                                                    |
| 27 | ((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus)ti,ab.                                                                                                                                                                                                                                                                           |
| 28 | ((multi-focal* or multifocal*) adj2 motor adj1 neuropath*)ti,ab.                                                                                                                                                                                                                                                                                   |
| 29 | ((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*)ti,ab.                                                                                                                                                                                                                                                                        |
| 30 | exp motor neuron disease/ or postpoliomyelitis syndrome/ or exp parkinsonism/ or Duchenne muscular dystrophy/ or exp multiple sclerosis/ or neuromuscular disease/ or hereditary motor sensory neuropathy/ or Friedreich ataxia/ or exp Shy Drager syndrome/ or progressive supranuclear palsy/ or                                                 |



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|    | corticobasal degeneration/ or metachromatic leukodystrophy/ or exp mitochondrial myopathy/ or exp mucopolysaccharidosis/ or Williams Beuren syndrome/ or genetic disorder/ or Rett syndrome/ or fetal alcohol syndrome/ or dystonic disorder/ or hereditary motor sensory neuropathy/ or spinal dysraphism/                  |
| 31 | (neurolog* adj1 (condition* or disease* or damage* or disorder* or impair*)).ti,ab.                                                                                                                                                                                                                                          |
| 32 | ((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.                                                                                                                                                                                                                                                   |
| 33 | ((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.                                                                                                                                                                                                                                                                  |
| 34 | (bulbar adj1 pals*).ti,ab.                                                                                                                                                                                                                                                                                                   |
| 35 | ((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.                                                                                                                                                                                                                                                              |
| 36 | (progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.                                                                                                                                                                                                                                                                 |
| 37 | ((postpolio* or post-polio*) adj1 syndrome?).ti,ab.                                                                                                                                                                                                                                                                          |
| 38 | (Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or kløver-bucy).ti,ab.                                                                                                                                                                                                        |
| 39 | (muscular adj1 dystroph*).ti,ab.                                                                                                                                                                                                                                                                                             |
| 40 | (neuromusc* adj1 (disease* or disorder?)).ti,ab.                                                                                                                                                                                                                                                                             |
| 41 | (heredit* adj1 spastic* adj1 parapleg*).ti,ab.                                                                                                                                                                                                                                                                               |
| 42 | "friedreich* ataxia*".ti,ab.                                                                                                                                                                                                                                                                                                 |
| 43 | ((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.                                                                                                                                                                                                                                                              |
| 44 | (shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.                                                                                                                                                                                                                                                |
| 45 | (progressive adj1 supranuclear adj1 pals*).ti,ab.                                                                                                                                                                                                                                                                            |
| 46 | (richardson* adj1 (disease? or syndrome?)).ti,ab.                                                                                                                                                                                                                                                                            |
| 47 | ((corticobasal or cortico basal) adj1 degenerat*).ti,ab.                                                                                                                                                                                                                                                                     |
| 48 | (white adj1 matter adj1 disorder?).ti,ab.                                                                                                                                                                                                                                                                                    |
| 49 | (metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.                                                                                                                                                                                                                                      |
| 50 | (lysosomal adj1 storage adj1 disorder?).ti,ab.                                                                                                                                                                                                                                                                               |
| 51 | ((genetic or William* or catch-22 or rett* or congenital or f?etal alcohol) adj1 (syndrome or disorder*)).ti,ab.                                                                                                                                                                                                             |
| 52 | (perinatal illness* or perinatal hypoxia*).ti,ab.                                                                                                                                                                                                                                                                            |
| 53 | (primary adj1 dystonia?).ti,ab.                                                                                                                                                                                                                                                                                              |
| 54 | (heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.                                                                                                                                                                                                                                                                     |
| 55 | (spina bifida? or spinal dysraphism?).ti,ab.                                                                                                                                                                                                                                                                                 |
| 56 | motor dysfunction/ or motor dysfunction/ or conversion disorder/                                                                                                                                                                                                                                                             |
| 57 | ((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*)).ti,ab.                                                                                                                                                                                                      |
| 58 | ((movement* or motor* or convers*) adj1 (disorder* or dysfunct*)).ti,ab.                                                                                                                                                                                                                                                     |
| 59 | ((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*)).ti,ab.                                                                                                                                                                                       |
| 60 | (pseudo-seizure* or pseudoseizure*).ti,ab.                                                                                                                                                                                                                                                                                   |
| 61 | (medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.                                                                                                                                                                                                                                                             |
| 62 | or/1-61                                                                                                                                                                                                                                                                                                                      |
| 63 | education/ or academic achievement/ or academic advisement/ or adult education/ or continuing education/ or continuing education provider/ or education program/ or educational mobility/ or primary education/ or secondary education/                                                                                      |
| 64 | teaching/ or learning/ or exp student/                                                                                                                                                                                                                                                                                       |
| 65 | school/ or college/ or community college/ or high school/ or kindergarten/ or medical school/ or pharmacy school/ or primary school/ or university/ or exp return to school/                                                                                                                                                 |
| 66 | ((begin or enter* or entry or start* or tak* up or reent* or participat* or remain* or stay* or continu* or stop* or return* or end* or integrat* or reintegrat* or engage* or reengage* or transition* or attend*) adj4 (educat* or school* or universit* or college? or academ* or classroom? or train* or learn*)).ti,ab. |
| 67 | RTL.ti,ab.                                                                                                                                                                                                                                                                                                                   |
| 68 | exp distance learning/ or virtual learning environment/ or lifelong learning/                                                                                                                                                                                                                                                |
| 69 | ((online or distance or professional or life long or lifelong or virtual*) adj2 (learning or education or training)) or elearning or "e learning".ti,ab.                                                                                                                                                                     |
| 70 | exp teacher/ or teacher training/                                                                                                                                                                                                                                                                                            |
| 71 | exp special education/ or inclusive education/                                                                                                                                                                                                                                                                               |
| 72 | ((educat* or school* or universit* or college? or academic) adj2 (staff? or personnel? or professional?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                        |

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| 73  | ((teacher? or educator? or tutor? or lecturer? or school? or faculty or professor?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                                                                                                                         |
| 74  | ((mainstream* or main stream* or special or alternative or bespoke or intellectual* disab*) adj4 (educat* or school*)).ti,ab.                                                                                                                                                                                                                                                                            |
| 75  | school health service/ or school health nursing/ or school mental health service/                                                                                                                                                                                                                                                                                                                        |
| 76  | ((academic or college or school? or graduat* or postgrad* or student? or pupil? or undergrad* or campus?) adj4 service?).ti,ab.                                                                                                                                                                                                                                                                          |
| 77  | (special educational needs coordinator? or SENCO).ti,ab.                                                                                                                                                                                                                                                                                                                                                 |
| 78  | ((educat* or school? or universit* or college? or classroom? or pupil? or student?) adj4 (rehab* or tele-rehab* or neurorehab*)).ti,ab.                                                                                                                                                                                                                                                                  |
| 79  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom? or curricul*) adj2 (accommodat* or adjust* or adapt* or modif* or flexib* or accessib* or assist*)).ti,ab.                                                                                                                                                                                      |
| 80  | (reasonable adj4 (accommodat* or adjust* or modif* or flexib* or accessib*)).ti,ab.                                                                                                                                                                                                                                                                                                                      |
| 81  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj2 (liaison? or care worker? or personal assist*)).ti,ab.                                                                                                                                                                                                                                        |
| 82  | (school? adj2 nurs*).ti,ab.                                                                                                                                                                                                                                                                                                                                                                              |
| 83  | needs assessment/ or learning environment/ or student assistance program/                                                                                                                                                                                                                                                                                                                                |
| 84  | ((educat* or school? or learning or academic or student? or pupil? or learner?) adj4 (function* or skill? or productiv*) adj2 (assess* or evaluat* or inventor* or capacit*)).ti,ab.                                                                                                                                                                                                                     |
| 85  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj4 (need? or plan* or intervention* or support*)).ti,ab.                                                                                                                                                                                                                                         |
| 86  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train* or classroom?) adj4 (environment? or setting? or curricul*)).ti,ab.                                                                                                                                                                                                                                 |
| 87  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((voice? or speech* or speak* or communicat*) adj4 (software* or tech* or device? or aid? or recogn*))).ti,ab.                                                                                                                                                                            |
| 88  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((assist* or adapt* or "self help" or cogniti* support*) adj4 (tech* or device* or tool* or equipment* or hardware* or software*))).ti,ab.                                                                                                                                                |
| 89  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 (comput* adj4 (interfac* or hardware* or software* or equipment*))).ti,ab.                                                                                                                                                                                                                |
| 90  | (training adj2 (program* or initiative? or opportunit* or support*)).ti,ab.                                                                                                                                                                                                                                                                                                                              |
| 91  | ((educat* or school? or universit* or college? or academ* or train* or learn* or student? or pupil? or postgrad* or undergrad* or graduate?) adj2 (financ* or grant? or scholarship? or fund* or subsid* or loan?)).ti,ab.                                                                                                                                                                               |
| 92  | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 ((pay or financ* or income?) adj1 (protect* or support* or assist* or aid*))).ti,ab.                                                                                                                                                                                                                              |
| 93  | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 (((disab* or sick*) adj2 (benefit? or pay)) or social security or employee assistance)).ti,ab.                                                                                                                                                                                                                    |
| 94  | medical leave/                                                                                                                                                                                                                                                                                                                                                                                           |
| 95  | ((medical* or disab* or sick*) adj1 (leav* or absen*)).ti,ab.                                                                                                                                                                                                                                                                                                                                            |
| 96  | Vocational education/ or vocational guidance/                                                                                                                                                                                                                                                                                                                                                            |
| 97  | *volunteer/ or apprenticeship/                                                                                                                                                                                                                                                                                                                                                                           |
| 98  | ((career? or job? or work* or employ* or unemploy* or vocation* or prevocation*) adj4 (coach* or training or trainee* or retrain* or shadow* or placement? or experience* or advice or guid* or counsel* or service? or educat* or program* or intervention* or scheme? or school* or peer support* or mentor* or motivational interview* or plan* or find* or apply? or applied or application)).ti,ab. |
| 99  | ((educat* or train* or learn* or career? or job? or vocation* or prevocation*) adj2 (develop* or progress* or goal? or success* or opportunit*)).ti,ab.                                                                                                                                                                                                                                                  |
| 100 | ((voluntary or paid or unpaid) adj (work or employment or role?)).ti,ab.                                                                                                                                                                                                                                                                                                                                 |
| 101 | (intern? or internship? or traineeship? or apprentice* or volunteering).ti,ab.                                                                                                                                                                                                                                                                                                                           |
| 102 | or/63-101                                                                                                                                                                                                                                                                                                                                                                                                |
| 103 | 62 and 102                                                                                                                                                                                                                                                                                                                                                                                               |
| 104 | letter.pt. or letter/                                                                                                                                                                                                                                                                                                                                                                                    |
| 105 | note.pt.                                                                                                                                                                                                                                                                                                                                                                                                 |
| 106 | editorial.pt.                                                                                                                                                                                                                                                                                                                                                                                            |
| 107 | case report/ or case study/                                                                                                                                                                                                                                                                                                                                                                              |
| 108 | (letter or comment*).ti.                                                                                                                                                                                                                                                                                                                                                                                 |

|     |                                                                                                                                                        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 109 | or/104-108                                                                                                                                             |
| 110 | randomized controlled trial/ or random*.ti,ab.                                                                                                         |
| 111 | 109 not 110                                                                                                                                            |
| 112 | animal/ not human/                                                                                                                                     |
| 113 | nonhuman/                                                                                                                                              |
| 114 | exp Animal Experiment/                                                                                                                                 |
| 115 | exp Experimental Animal/                                                                                                                               |
| 116 | animal model/                                                                                                                                          |
| 117 | exp Rodent/                                                                                                                                            |
| 118 | (rat or rats or rodent* or mouse or mice).ti.                                                                                                          |
| 119 | or/111-118                                                                                                                                             |
| 120 | 103 not 119                                                                                                                                            |
| 121 | limit 120 to english language                                                                                                                          |
| 122 | limit 121 to yr="2013 -Current"                                                                                                                        |
| 123 | (conference abstract* or conference review or conference paper or conference proceeding).db,pt,su.                                                     |
| 124 | 122 not 123                                                                                                                                            |
| 125 | systematic review/                                                                                                                                     |
| 126 | meta-analysis/                                                                                                                                         |
| 127 | (meta analy* or metanaly* or metaanaly*).ti,ab.                                                                                                        |
| 128 | ((systematic or evidence) adj2 (review* or overview*)).ti,ab.                                                                                          |
| 129 | (reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.                                                           |
| 130 | (search strategy or search criteria or systematic search or study selection or data extraction).ab.                                                    |
| 131 | (search* adj4 literature).ab.                                                                                                                          |
| 132 | (medline or pubmed or cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or science citation index or bids or cancerlit).ab. |
| 133 | ((pool* or combined) adj2 (data or trials or studies or results)).ab.                                                                                  |
| 134 | cochrane.jw.                                                                                                                                           |
| 135 | or/125-134                                                                                                                                             |
| 136 | random*.ti,ab.                                                                                                                                         |
| 137 | factorial*.ti,ab.                                                                                                                                      |
| 138 | (crossover* or cross over*).ti,ab.                                                                                                                     |
| 139 | ((doubl* or singl*) adj blind*).ti,ab.                                                                                                                 |
| 140 | (assign* or allocat* or volunteer* or placebo*).ti,ab.                                                                                                 |
| 141 | CROSSOVER PROCEDURE/                                                                                                                                   |
| 142 | SINGLE BLIND PROCEDURE/                                                                                                                                |
| 143 | RANDOMIZED CONTROLLED TRIAL/                                                                                                                           |
| 144 | DOUBLE BLIND PROCEDURE/                                                                                                                                |
| 145 | or/136-144                                                                                                                                             |
| 146 | 124 and (135 or 145)                                                                                                                                   |

**Database: Cochrane Database of Systematic Reviews Issue 7 of 12, July 2023**

**Cochrane Central Register of Controlled Trials Issue 7 of 12, July 2023**

**Date of last search: 12/07/2023**

|    |                                                                  |
|----|------------------------------------------------------------------|
| #1 | MeSH descriptor: [Craniocerebral Trauma] this term only          |
| #2 | MeSH descriptor: [Brain Injuries] this term only                 |
| #3 | MeSH descriptor: [Brain Hemorrhage, Traumatic] explode all trees |

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| #4  | MeSH descriptor: [Brain Injuries, Diffuse] explode all trees                                                                                                                                                                                                                                                                                                                                                                                        |
| #5  | MeSH descriptor: [Brain Injuries, Traumatic] explode all trees                                                                                                                                                                                                                                                                                                                                                                                      |
| #6  | MeSH descriptor: [Brain Injury, Chronic] explode all trees                                                                                                                                                                                                                                                                                                                                                                                          |
| #7  | MeSH descriptor: [Shaken Baby Syndrome] this term only                                                                                                                                                                                                                                                                                                                                                                                              |
| #8  | MeSH descriptor: [Brain Damage, Chronic] this term only                                                                                                                                                                                                                                                                                                                                                                                             |
| #9  | MeSH descriptor: [Hypoxia, Brain] this term only                                                                                                                                                                                                                                                                                                                                                                                                    |
| #10 | MeSH descriptor: [Intracranial Hemorrhage, Traumatic] explode all trees                                                                                                                                                                                                                                                                                                                                                                             |
| #11 | MeSH descriptor: [Brain Neoplasms] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                |
| #12 | MeSH descriptor: [Brain Diseases] this term only                                                                                                                                                                                                                                                                                                                                                                                                    |
| #13 | MeSH descriptor: [Brain Abscess] this term only                                                                                                                                                                                                                                                                                                                                                                                                     |
| #14 | MeSH descriptor: [Brain Diseases, Metabolic] this term only                                                                                                                                                                                                                                                                                                                                                                                         |
| #15 | MeSH descriptor: [Cerebellar Diseases] this term only                                                                                                                                                                                                                                                                                                                                                                                               |
| #16 | MeSH descriptor: [Cerebrovascular Disorders] this term only                                                                                                                                                                                                                                                                                                                                                                                         |
| #17 | MeSH descriptor: [Basal Ganglia Cerebrovascular Disease] this term only                                                                                                                                                                                                                                                                                                                                                                             |
| #18 | MeSH descriptor: [Cerebrovascular Trauma] this term only                                                                                                                                                                                                                                                                                                                                                                                            |
| #19 | MeSH descriptor: [Intracranial Arteriovenous Malformations] this term only                                                                                                                                                                                                                                                                                                                                                                          |
| #20 | MeSH descriptor: [Intracranial Embolism and Thrombosis] this term only                                                                                                                                                                                                                                                                                                                                                                              |
| #21 | MeSH descriptor: [Intracranial Hemorrhages] this term only                                                                                                                                                                                                                                                                                                                                                                                          |
| #22 | MeSH descriptor: [Vascular Headaches] this term only                                                                                                                                                                                                                                                                                                                                                                                                |
| #23 | MeSH descriptor: [Encephalitis] this term only                                                                                                                                                                                                                                                                                                                                                                                                      |
| #24 | MeSH descriptor: [Hydrocephalus] this term only                                                                                                                                                                                                                                                                                                                                                                                                     |
| #25 | {or #1-#24}                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| #26 | MeSH descriptor: [Stroke] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                         |
| #27 | MeSH descriptor: [Dementia] this term only                                                                                                                                                                                                                                                                                                                                                                                                          |
| #28 | #26 or #27                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| #29 | #25 NOT #28                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| #30 | ((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) NEAR/2 (injur* or trauma* or damage* or disease* or diseases* or disorder* or infect* or hemorrhag* or haemorrhag* or neoplasm* or cancer* or tumour* or tumor* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*)):ti,ab                                                                                                               |
| #31 | (chronic* NEAR/1 trauma* NEAR/2 encephalopath*):ti,ab                                                                                                                                                                                                                                                                                                                                                                                               |
| #32 | ((infratentorial* or supratentorial* or hypothalam* or pituitar* or "choroid plexus") NEAR/2 (neoplasm* or cancer* or tumour* or tumor* or carcinom* or adenocarcinom*)):ti,ab                                                                                                                                                                                                                                                                      |
| #33 | (brain* NEAR/2 abscess*):ti,ab                                                                                                                                                                                                                                                                                                                                                                                                                      |
| #34 | (carotid arter* NEAR/2 (disease* or injur*)):ti,ab                                                                                                                                                                                                                                                                                                                                                                                                  |
| #35 | ((("basal ganglia" next disease*) or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cerebellar" next degenerat* or "shaken baby" next syndrome* or "shaking baby" next syndrome*)):ti,ab                                                                                                                                                                                                                                    |
| #36 | MeSH descriptor: [Stroke] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                         |
| #37 | MeSH descriptor: [Adolescent] this term only                                                                                                                                                                                                                                                                                                                                                                                                        |
| #38 | MeSH descriptor: [Minors] this term only                                                                                                                                                                                                                                                                                                                                                                                                            |
| #39 | MeSH descriptor: [Child] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                          |
| #40 | MeSH descriptor: [Infant] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                         |
| #41 | MeSH descriptor: [Pediatrics] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                     |
| #42 | MeSH descriptor: [Puberty] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                        |
| #43 | {or #37-#42}                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| #44 | #36 and #43                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| #45 | ((stroke or strokes) NEAR/3 (paediatric* or pediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or "under age" or "under ages" or "under aged" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school ages" or "school age" or "school aged" or schoolage* or "under 16" or "under sixteen" or "under sixteens")):ti,ab |
| #46 | MeSH descriptor: [Spinal Cord Injuries] explode all trees                                                                                                                                                                                                                                                                                                                                                                                           |
| #47 | MeSH descriptor: [Spinal Cord Neoplasms] explode all trees                                                                                                                                                                                                                                                                                                                                                                                          |
| #48 | MeSH descriptor: [Epidural Abscess] this term only                                                                                                                                                                                                                                                                                                                                                                                                  |

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| #49 | MeSH descriptor: [Spinal Cord Diseases] this term only                                                                                                                                                                                                                           |
| #50 | MeSH descriptor: [Spinal Cord Vascular Diseases] explode all trees                                                                                                                                                                                                               |
| #51 | MeSH descriptor: [Spinal Cord Compression] this term only                                                                                                                                                                                                                        |
| #52 | MeSH descriptor: [Myelitis, Transverse] this term only                                                                                                                                                                                                                           |
| #53 | ((spinal* or spine or spines) NEAR/2 (injur* or trauma* or tumour* or tumor* or neoplasm* or cancer* or infect* or insult* or disease or diseases or disorder* or degenerat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or hemorrhag* or haemorrhag*)):ti,ab |
| #54 | ("Central cord" next syndrome* or "transverse myelitis"):ti,ab                                                                                                                                                                                                                   |
| #55 | (epidural* NEAR/2 (neoplasm* or cancer* or tumour* or tumor* or abscess*)):ti,ab                                                                                                                                                                                                 |
| #56 | ((spinal* or spine or spines) NEAR/2 (viral* or virus* or polio* or "acquired immunodeficiency syndrome" or AIDS or HIV or bacterial* or neurosyphili* or neuro next syphili* or tubercul*)):ti,ab                                                                               |
| #57 | MeSH descriptor: [Peripheral Nerve Injuries] this term only                                                                                                                                                                                                                      |
| #58 | MeSH descriptor: [Cranial Nerve Injuries] explode all trees                                                                                                                                                                                                                      |
| #59 | MeSH descriptor: [Peripheral Nervous System Neoplasms] this term only                                                                                                                                                                                                            |
| #60 | MeSH descriptor: [Cranial Nerve Neoplasms] explode all trees                                                                                                                                                                                                                     |
| #61 | MeSH descriptor: [Peripheral Nervous System Diseases] explode all trees                                                                                                                                                                                                          |
| #62 | MeSH descriptor: [Cranial Nerve Diseases] explode all trees                                                                                                                                                                                                                      |
| #63 | ((periph* or cranial*) NEAR/1 (nerve or nerves or "nervous system") NEAR/2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumour* or tumor* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome*)):ti,ab                   |
| #64 | (Guillain* NEAR/1 Barr*):ti,ab                                                                                                                                                                                                                                                   |
| #65 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or "ocular motility" or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) NEAR/1 nerve* NEAR/1 injur*):ti,ab                                                               |
| #66 | (optic* NEAR/1 nerve* NEAR/2 (neoplasm* or cancer* or tumour* or tumor*)):ti,ab                                                                                                                                                                                                  |
| #67 | (brachial next plexus NEAR/1 (neuropath* or neuritis)):ti,ab                                                                                                                                                                                                                     |
| #68 | ("complex regional pain" next syndrome* or causalgia or mononeuropath* or "nerve compression" next syndrome*):ti,ab                                                                                                                                                              |
| #69 | ((femoral or median or peroneal or radial or sciatic or tibial or ulnar) NEAR/1 neuropath*):ti,ab                                                                                                                                                                                |
| #70 | ((carpal next tunnel or piriformis next muscle or tarsal next tunnel or thoracic next outlet) NEAR/1 syndrome*):ti,ab                                                                                                                                                            |
| #71 | (pudendal next neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*):ti,ab                                                                                                                                                                |
| #72 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or "ocular motility" or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) NEAR/1 nerve* NEAR/1 disease*):ti,ab                                                             |
| #73 | (periph* NEAR/2 neuropath*):ti,ab                                                                                                                                                                                                                                                |
| #74 | ((((periph* or cranial*) NEAR/2 (nerve or nerves or "nervous system"))) and lupus):ti,ab                                                                                                                                                                                         |
| #75 | ((multi next focal* or multifocal*) NEAR/2 motor NEAR/1 neuropath*):ti,ab                                                                                                                                                                                                        |
| #76 | ((((periph* or cranial*) NEAR/2 (nerve or nerves or nervous system))) and alcohol*):ti,ab                                                                                                                                                                                        |
| #77 | {or #29-#35, #44-#76}                                                                                                                                                                                                                                                            |
| #78 | MeSH descriptor: [Motor Neuron Disease] explode all trees                                                                                                                                                                                                                        |
| #79 | MeSH descriptor: [Postpoliomyelitis Syndrome] this term only                                                                                                                                                                                                                     |
| #80 | MeSH descriptor: [Parkinsonian Disorders] explode all trees                                                                                                                                                                                                                      |
| #81 | MeSH descriptor: [Muscular Dystrophy, Duchenne] this term only                                                                                                                                                                                                                   |
| #82 | MeSH descriptor: [Multiple Sclerosis] explode all trees                                                                                                                                                                                                                          |
| #83 | MeSH descriptor: [Neuromuscular Diseases] this term only                                                                                                                                                                                                                         |
| #84 | MeSH descriptor: [Spastic Paraplegia, Hereditary] this term only                                                                                                                                                                                                                 |
| #85 | MeSH descriptor: [Friedreich Ataxia] this term only                                                                                                                                                                                                                              |
| #86 | MeSH descriptor: [Multiple System Atrophy] explode all trees                                                                                                                                                                                                                     |
| #87 | MeSH descriptor: [Supranuclear Palsy, Progressive] this term only                                                                                                                                                                                                                |
| #88 | MeSH descriptor: [Corticobasal Degeneration] explode all trees                                                                                                                                                                                                                   |
| #89 | MeSH descriptor: [Leukodystrophy, Metachromatic] this term only                                                                                                                                                                                                                  |
| #90 | MeSH descriptor: [Mitochondrial Myopathies] explode all trees                                                                                                                                                                                                                    |
| #91 | MeSH descriptor: [Mucopolysaccharidoses] explode all trees                                                                                                                                                                                                                       |
| #92 | MeSH descriptor: [Williams Syndrome] this term only                                                                                                                                                                                                                              |
| #93 | MeSH descriptor: [Genetic Diseases, Inborn] this term only                                                                                                                                                                                                                       |

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| #94  | MeSH descriptor: [Rett Syndrome] this term only                                                                                                 |
| #95  | MeSH descriptor: [Fetal Alcohol Spectrum Disorders] this term only                                                                              |
| #96  | MeSH descriptor: [Dystonic Disorders] this term only                                                                                            |
| #97  | MeSH descriptor: [Hereditary Sensory and Motor Neuropathy] this term only                                                                       |
| #98  | MeSH descriptor: [Spinal Dysraphism] this term only                                                                                             |
| #99  | (neurolog* NEAR/1 (condition* or disease* or damage* or disorder* or impair*)):ti,ab                                                            |
| #100 | ((motor next neuron* or gehrig* or charcott* or kennedy*) NEAR/1 disease*):ti,ab                                                                |
| #101 | ((amyotroph* or primary) NEAR/1 lateral* NEAR/1 sclero*):ti,ab                                                                                  |
| #102 | (bulbar NEAR/1 pals*):ti,ab                                                                                                                     |
| #103 | ((muscular or muscle* or bulbo) NEAR/1 atroph* NEAR/1 spin*):ti,ab                                                                              |
| #104 | (progressiv* NEAR/1 (muscular or muscle*) NEAR/1 atroph*):ti,ab                                                                                 |
| #105 | ((postpolio* or post next polio*) NEAR/1 (syndrome*)):ti,ab                                                                                     |
| #106 | (Parkinson* or duchenne* or multiple next scleros* or sclerosos* or aphasia or creutzfeldt next jakob or huntington* or kløver next bucy):ti,ab |
| #107 | (muscular NEAR/1 dystroph*):ti,ab                                                                                                               |
| #108 | ((neurolog*) near/1 (condition* or disease* or damage* or disorder* or impair*)):ti,ab                                                          |
| #109 | (heredit* NEAR/1 spastic* NEAR/1 parapleg*):ti,ab                                                                                               |
| #110 | (friedreich* next ataxia*):ti,ab                                                                                                                |
| #111 | ((("multiple system" or olivopontocerebellar) NEAR/1 atroph*):ti,ab                                                                             |
| #112 | ((shy next drager next syndrome*) or striatonigral next degenerat* or batten next disease*):ti,ab                                               |
| #113 | (progressive NEAR/1 supranuclear NEAR/1 pals*):ti,ab                                                                                            |
| #114 | (richardson* NEAR/1 (disease* or syndrome*)):ti,ab                                                                                              |
| #115 | ((corticobasal or "cortico basal") NEAR/1 degenerat*):ti,ab                                                                                     |
| #116 | ("white matter" NEAR/1 (disorder*)):ti,ab                                                                                                       |
| #117 | (metachromatic next leukodystroph* or mitochondrial next myopath* or mucopolysaccharidos*):ti,ab                                                |
| #118 | (lysosomal NEAR/1 storage NEAR/1 disorder*):ti,ab                                                                                               |
| #119 | ((genetic or William* or "catch-22" or rett* or congenital or fetal or "foetal alcohol") NEAR/1 (syndrome* or disorder*)):ti,ab                 |
| #120 | (perinatal NEAR/1 (illness* or hypoxia*)):ti,ab                                                                                                 |
| #121 | (primary NEAR/1 (dystonia or dystonias)):ti,ab                                                                                                  |
| #122 | (heredit* NEAR/1 motor* NEAR/1 sens* NEAR/1 neuropath*):ti,ab                                                                                   |
| #123 | (spina next (bifida or bifidas) or spinal next (dysraphism or dysraphisms)):ti,ab                                                               |
| #124 | MeSH descriptor: [Movement Disorders] this term only                                                                                            |
| #125 | MeSH descriptor: [Motor Disorders] this term only                                                                                               |
| #126 | MeSH descriptor: [Conversion Disorder] this term only                                                                                           |
| #127 | ((functional* or psychogenic* or dissociative*) NEAR/1 neurologic* NEAR/1 (disorder* or dysfunction* or difficult*)):ti,ab                      |
| #128 | ((movement* or motor* or convers*) NEAR/1 (disorder* or dysfunct*)):ti,ab                                                                       |
| #129 | ((psychogenic or dissociative or non-epilep* or nonepilep*) NEAR/1 (seizure* or convulsion* or fit or fits or spasm* or attack*)):ti,ab         |
| #130 | (pseudo next seizure or pseudoseizure):ti,ab                                                                                                    |
| #131 | (medical* NEAR/1 (unexplain* or un next explain*) NEAR/1 (symptom*)):ti,ab                                                                      |
| #132 | {or #77-#131}                                                                                                                                   |
| #133 | MeSH descriptor: [Education] this term only                                                                                                     |
| #134 | MeSH descriptor: [Education, Continuing] this term only                                                                                         |
| #135 | MeSH descriptor: [Schools] this term only                                                                                                       |
| #136 | MeSH descriptor: [Library Schools] this term only                                                                                               |
| #137 | MeSH descriptor: [Schools, Health Occupations] explode all trees                                                                                |
| #138 | MeSH descriptor: [Universities] this term only                                                                                                  |
| #139 | MeSH descriptor: [Teaching] this term only                                                                                                      |
| #140 | MeSH descriptor: [Remedial Teaching] this term only                                                                                             |
| #141 | MeSH descriptor: [Learning] this term only                                                                                                      |
| #142 | MeSH descriptor: [Students] explode all trees                                                                                                   |

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| #143 | MeSH descriptor: [Return to School] this term only                                                                                                                                                                                                                                                                                   |
| #144 | ((begin or enter* or entry or start* or (tak* NEXT up) or reent* or participat* or remain* or stay* or continu* or stop* or return* or end* or integrat* or reintegrat* or engage* or reengage* or transition* or attend*) NEAR/4 (educat* or school* or universit* or college* or academ* or classroom* or train* or learn*)):ti,ab |
| #145 | RTL:ti,ab                                                                                                                                                                                                                                                                                                                            |
| #146 | MeSH descriptor: [Education, Distance] this term only                                                                                                                                                                                                                                                                                |
| #147 | MeSH descriptor: [Education, Professional] this term only                                                                                                                                                                                                                                                                            |
| #148 | MeSH descriptor: [Education, Nonprofessional] this term only                                                                                                                                                                                                                                                                         |
| #149 | ((online or distance or professional or (life NEXT long) or lifelong or virtual*) NEAR/2 (learning or education or training)) or elearning or "e learning"):ti,ab                                                                                                                                                                    |
| #150 | MeSH descriptor: [Educational Personnel] this term only                                                                                                                                                                                                                                                                              |
| #151 | MeSH descriptor: [School Teachers] this term only                                                                                                                                                                                                                                                                                    |
| #152 | MeSH descriptor: [Faculty] this term only                                                                                                                                                                                                                                                                                            |
| #153 | MeSH descriptor: [Teacher Training] this term only                                                                                                                                                                                                                                                                                   |
| #154 | ((educat* or school* or universit* or college* or academic) NEAR/2 (staff* or personnel* or professional*) NEAR/4 (training or awareness or knowledge or educat* or develop* or practice* or resource* or support* or provision*)):ti,ab                                                                                             |
| #155 | ((teacher* or educator* or tutor* or lecturer* or school* or faculty or professor*) NEAR/4 (training or awareness or knowledge or educat* or develop* or practice* or resource* or support* or provision*)):ti,ab                                                                                                                    |
| #156 | MeSH descriptor: [Education, Special] this term only                                                                                                                                                                                                                                                                                 |
| #157 | MeSH descriptor: [Mainstreaming, Education] this term only                                                                                                                                                                                                                                                                           |
| #158 | MeSH descriptor: [Education of Intellectually Disabled] this term only                                                                                                                                                                                                                                                               |
| #159 | ((mainstream* or (main NEXT stream*) or special or alternative or bespoke or (intellectual* NEXT disab*)) NEAR/4 (educat* or school*)):ti,ab                                                                                                                                                                                         |
| #160 | MeSH descriptor: [Student Health Services] this term only                                                                                                                                                                                                                                                                            |
| #161 | MeSH descriptor: [School Health Services] this term only                                                                                                                                                                                                                                                                             |
| #162 | MeSH descriptor: [School Nursing] this term only                                                                                                                                                                                                                                                                                     |
| #163 | ((academic or college or school* or graduat* or postgrad* or student* or pupil* or undergrad* or campus*) NEAR/4 service*)):ti,ab                                                                                                                                                                                                    |
| #164 | ("special educational needs coordinator" or SENCO):ti,ab                                                                                                                                                                                                                                                                             |
| #165 | ((educat* or school* or universit* or college* or classroom* or pupil* or student*) NEAR/4 (rehab* or tele-rehab* or neurorehab*)):ti,ab                                                                                                                                                                                             |
| #166 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom* or curricul*) NEAR/2 (accommodat* or adjust* or adapt* or modif* or flexib* or accessib* or assist*)):ti,ab                                                                                                                 |
| #167 | (reasonable NEAR/4 (accommodat* or adjust* or modif* or flexib* or accessib*)):ti,ab                                                                                                                                                                                                                                                 |
| #168 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or train*) NEAR/2 (liaison* or (care NEXT worker*) or (personal NEXT assist*)):ti,ab                                                                                                                                                      |
| #169 | (school* NEAR/2 nurs*):ti,ab                                                                                                                                                                                                                                                                                                         |
| #170 | MeSH descriptor: [Needs Assessment] this term only                                                                                                                                                                                                                                                                                   |
| #171 | ((educat* or school* or learning or academic or student* or pupil* or learner*) NEAR/4 (function* or skill* or productiv*) NEAR/2 (assess* or evaluat* or inventor* or capacit*)):ti,ab                                                                                                                                              |
| #172 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or train*) NEAR/4 (need* or plan* or intervention* or support*)):ti,ab                                                                                                                                                                    |
| #173 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or train* or classroom*) NEAR/4 (environment* or setting* or curricul*)):ti,ab                                                                                                                                                            |
| #174 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom*) NEAR/6 ((voice* or speech* or speak* or communicat*) NEAR/4 (software* or tech* or device* or aid* or recogn*)):ti,ab                                                                                                      |
| #175 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom*) NEAR/6 ((assist* or adapt* or "self help" or cognitit* support*) NEAR/4 (tech* or device* or tool* or equipment* or hardware* or software*)):ti,ab                                                                         |
| #176 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom*) NEAR/6 (comput* NEAR/4 (interfac* or hardware* or software* or equipment*)):ti,ab                                                                                                                                          |
| #177 | MeSH descriptor: [Training Support] explode all trees                                                                                                                                                                                                                                                                                |
| #178 | MeSH descriptor: [Sick Leave] this term only                                                                                                                                                                                                                                                                                         |
| #179 | (training NEAR/2 (program* or initiative* or opportunit* or support*)):ti,ab                                                                                                                                                                                                                                                         |



|      |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #180 | ((educat* or school* or universit* or college* or academ* or train* or learn* or student* or pupil* or post-grad* or undergrad* or graduate*) NEAR/2 (financ* or grant* or scholarship* or fund* or subsid* or loan*)):ti,ab                                                                                                                                                                                     |
| #181 | ((educat* or school* or academic or universit* or college* or student* or pupil*) NEAR/4 ((pay or financ* or income*) NEAR/1 (protect* or support* or assist* or aid*)):ti,ab                                                                                                                                                                                                                                    |
| #182 | ((educat* or school* or academic or universit* or college* or student* or pupil*) NEAR/4 (((disab* or sick*) NEAR/2 (benefit* or pay)) or "social security" or "employee assistance")):ti,ab                                                                                                                                                                                                                     |
| #183 | MeSH descriptor: [Vocational Education] this term only                                                                                                                                                                                                                                                                                                                                                           |
| #184 | MeSH descriptor: [Vocational Guidance] this term only                                                                                                                                                                                                                                                                                                                                                            |
| #185 | MeSH descriptor: [Volunteers] this term only                                                                                                                                                                                                                                                                                                                                                                     |
| #186 | ((career* or job* or work* or employ* or unemploy* or vocation* or prevocation*) NEAR/4 (coach* or training or trainee* or retrain* or shadow* or placement* or experience* or advice or guid* or counsel* or service* or educat* or program* or intervention* or scheme* or school* or peer support* or mentor* or (motivational NEXT interview*) or plan* or find* or apply* or applied or application)):ti,ab |
| #187 | ((educat* or train* or learn* or career* or job* or vocation* or prevocation*) NEAR/2 (develop* or progress* or goal* or success* or opportunit*)):ti,ab                                                                                                                                                                                                                                                         |
| #188 | ((voluntary or paid or unpaid) NEXT (work or employment or role*)):ti,ab                                                                                                                                                                                                                                                                                                                                         |
| #189 | (intern* or traineeship* or apprentice* or volunteering):ti,ab                                                                                                                                                                                                                                                                                                                                                   |
| #190 | {or #133-#189}                                                                                                                                                                                                                                                                                                                                                                                                   |
| #191 | #132 AND #190                                                                                                                                                                                                                                                                                                                                                                                                    |
| #192 | "conference":pt or (clinicaltrials or trialsearch):so                                                                                                                                                                                                                                                                                                                                                            |
| #193 | #191 NOT #192 with Cochrane Library publication date Between Jan 2013 and Jan 2023, in Cochrane Reviews                                                                                                                                                                                                                                                                                                          |
| #194 | #191 NOT #192 with Publication Year from 2013 to 2023, in Trials                                                                                                                                                                                                                                                                                                                                                 |

## Social Policy and Practice <202304>

Date of last search: 07/07/2023

|    |                                                                                                                                                                                                                                                                                                                                                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | ((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumo*r* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*)):ti,ab.                                                    |
| 2  | ((brain* or cereb* or craniocereb* or cranial* or intracran* or neurocognit*) and (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumo*r* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*)):hw.                                                       |
| 3  | (chronic* adj1 trauma* adj2 encephalopath*).ti,ab.                                                                                                                                                                                                                                                                                                  |
| 4  | (chronic* and trauma* and encephalopath*).hw.                                                                                                                                                                                                                                                                                                       |
| 5  | ((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumo*r* or carcinom* or adenocarcinom*)):ti,ab.                                                                                                                                                                                   |
| 6  | ((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus*) and (neoplasm* or cancer* or tumo*r* or carcinom* or adenocarcinom*)):hw.                                                                                                                                                                                      |
| 7  | (brain* adj2 abscess*).ti,ab.                                                                                                                                                                                                                                                                                                                       |
| 8  | (brain* and abscess*).hw.                                                                                                                                                                                                                                                                                                                           |
| 9  | (carotid arter* adj2 (disease* or injur*)):ti,ab.                                                                                                                                                                                                                                                                                                   |
| 10 | (carotid arter* and (disease* or injur*)):hw.                                                                                                                                                                                                                                                                                                       |
| 11 | ("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*"):ti,ab.                                                                                                                                                                                            |
| 12 | ("basal ganglia disease*" or encephalitis* or meningoencephalitis* or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome*"):hw.                                                                                                                                                                                             |
| 13 | (stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*")):ti,ab. |



|    |                                                                                                                                                                                                                                                                       |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14 | (stroke* and (p?ediatric* or child* or adolescen* or kid* or youth* or youngster* or minor* or underage* or under-age* or "under age*" or teen* or juvenile* or boy* or girl* or schoolchild* or "school age*" or schoolage* or "under 16*" or "under sixteen*")).hw. |
| 15 | ((spinal* or spine?) adj2 (injur* or trauma* or tumor?r* or neoplasm* or cancer* or infect* or insult* or disease* or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).ti,ab.                                   |
| 16 | ((spinal* or spine*) and (injur* or trauma* or tumor?r* or neoplasm* or cancer* or infect* or insult* or disease* or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).hw.                                       |
| 17 | (Central cord syndrome* or transverse myelitis).ti,ab.                                                                                                                                                                                                                |
| 18 | (Central cord syndrome* or transverse myelitis*).hw.                                                                                                                                                                                                                  |
| 19 | (epidural* adj2 (neoplasm* or cancer* or tumor?r* or abscess*)).ti,ab.                                                                                                                                                                                                |
| 20 | (epidural* and (neoplasm* or cancer* or tumor?r* or abscess*)).hw.                                                                                                                                                                                                    |
| 21 | ((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).ti,ab.                                                                                     |
| 22 | ((spinal* or spine*) and (viral* or virus* or polio* or acquired immunodeficiency syndrome* or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).hw.                                                                                        |
| 23 | ((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor?r* or inflamm* or autoimmun* or paraneoplastic* or neuro-path* or syndrome?)).ti,ab.                              |
| 24 | ((periph* or cranial*) and (nerve* or nervous system*) and (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor?r* or inflamm* or autoimmun* or paraneoplastic* or neuro-path* or syndrome*)).hw.                                  |
| 25 | (Guillain* adj1 Barr*).ti,ab.                                                                                                                                                                                                                                         |
| 26 | (Guillain* and Barr*).hw.                                                                                                                                                                                                                                             |
| 27 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*).ti,ab.                                                         |
| 28 | ((abducen* or accessor* or facial* or glossopharyngeal* or hypoglossal* or oculomotor* or ocular* motility* or olfactory* or optic* or trigeminal* or trochlear* or vestibulocochlear*) and nerve* and injur*).hw.                                                    |
| 29 | (optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor?r*)).ti,ab.                                                                                                                                                                                                   |
| 30 | (optic* and nerve* and (neoplasm* or cancer* or tumor?r*)).hw.                                                                                                                                                                                                        |
| 31 | (brachial plexus adj1 (neuropath* or neuritis)).ti,ab.                                                                                                                                                                                                                |
| 32 | (brachial plexus* and (neuropath* or neuritis)).hw.                                                                                                                                                                                                                   |
| 33 | (complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*).ti,ab.                                                                                                                                                                |
| 34 | (complex regional pain syndrome* or causalgia* or mononeuropath* or nerve compression syndrome*).hw.                                                                                                                                                                  |
| 35 | ((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*).ti,ab.                                                                                                                                                                      |
| 36 | ((femoral* or median* or peroneal* or radial* or sciatic* or tibial* or ulnar*) and neuropath*).hw.                                                                                                                                                                   |
| 37 | ((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*).ti,ab.                                                                                                                                                                      |
| 38 | ((carpal-tunnel* or piriformis-muscle* or tarsal-tunnel* or thoracic-outlet*) and syndrome*).hw.                                                                                                                                                                      |
| 39 | (pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).ti,ab.                                                                                                                                                         |
| 40 | (pudendal neuralgia* or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).hw.                                                                                                                                                           |
| 41 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*).ti,ab.                                                       |
| 42 | ((abducen* or accessory* or facial* or glossopharyngeal* or hypoglossal* or oculomotor* or ocular motility* or olfactory* or optic* or trigeminal* or trochlear* or vestibulocochlear*) and nerve* and disease*).hw.                                                  |
| 43 | (periph* adj2 neuropath*).ti,ab.                                                                                                                                                                                                                                      |
| 44 | (periph* and neuropath*).hw.                                                                                                                                                                                                                                          |
| 45 | ((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus).ti,ab.                                                                                                                                                                                             |
| 46 | ((periph* or cranial*) and (nerve* or nervous system*) and lupus*).hw.                                                                                                                                                                                                |
| 47 | ((multi-focal* or multifocal*) adj2 motor adj1 neuropath*).ti,ab.                                                                                                                                                                                                     |
| 48 | ((multi-focal* or multifocal*) and motor* and neuropath*).hw.                                                                                                                                                                                                         |
| 49 | ((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*).ti,ab.                                                                                                                                                                                          |
| 50 | ((periph* or cranial*) and (nerve* or nervous system*) and alcohol*).hw.                                                                                                                                                                                              |

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| 51 | (neurolog* adj1 (condition* or disease* or damage* or disorder* or impair*)).ti,ab.                                    |
| 52 | (neurolog* and (condition* or disease* or damage* or disorder* or impair*)).hw.                                        |
| 53 | ((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.                                             |
| 54 | ((motor-neuron* or gehrig* or charcott* or kennedy*) and disease*).hw.                                                 |
| 55 | ((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.                                                            |
| 56 | ((amyotroph* or primary*) and lateral* and sclero*).hw.                                                                |
| 57 | (bulbar adj1 pals*).ti,ab.                                                                                             |
| 58 | (bulbar* and pals*).hw.                                                                                                |
| 59 | ((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.                                                        |
| 60 | ((muscular* or muscle* or bulbo*) and atroph* and spin*).hw.                                                           |
| 61 | (progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.                                                           |
| 62 | (progressiv* and (muscular* or muscle*) and atroph*).hw.                                                               |
| 63 | ((postpolio* or post-polio*) adj1 syndrome?).ti,ab.                                                                    |
| 64 | ((postpolio* or post-polio*) and syndrome*).hw.                                                                        |
| 65 | (Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or kløver-bucy*).ti,ab. |
| 66 | (Parkinson* or duchenne* or multiple scleros?s* or aphasia* or creutzfeldt-jakob* or huntington* or kløver-bucy*).hw.  |
| 67 | (muscular adj1 dystroph*).ti,ab.                                                                                       |
| 68 | (muscular* and dystroph*).hw.                                                                                          |
| 69 | (neuromusc* adj1 (disease* or disorder?)).ti,ab.                                                                       |
| 70 | (neuromusc* and (disease* or disorder?)).hw.                                                                           |
| 71 | (heredit* adj1 spastic* adj1 parapleg*).ti,ab.                                                                         |
| 72 | (heredit* and spastic* and parapleg*).hw.                                                                              |
| 73 | "friedreich* ataxia*".ti,ab.                                                                                           |
| 74 | "friedreich ataxia*".hw.                                                                                               |
| 75 | ((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.                                                        |
| 76 | ((multiple system* or olivopontocerebellar*) and atroph*).hw.                                                          |
| 77 | (shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.                                          |
| 78 | (shy-drager syndrome* or striatonigral degenerat* or batten* disease*).hw.                                             |
| 79 | (progressive adj1 supranuclear adj1 pals*).ti,ab.                                                                      |
| 80 | (progressive* and supranuclear* and pals*).hw.                                                                         |
| 81 | (richardson* adj1 (disease? or syndrome?)).ti,ab.                                                                      |
| 82 | (richardson* and (disease* or syndrome?)).hw.                                                                          |
| 83 | ((corticobasal or cortico basal) adj1 degenerat*).ti,ab.                                                               |
| 84 | ((corticobasal* or cortico basal*) and degenerat*).hw.                                                                 |
| 85 | (white adj1 matter adj1 disorder?).ti,ab.                                                                              |
| 86 | (white* and matter* and disorder*).hw.                                                                                 |
| 87 | (metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.                                |
| 88 | (metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).hw.                                   |
| 89 | (lysosomal adj1 storage adj1 disorder?).ti,ab.                                                                         |
| 90 | (lysosomal* and storage* and disorder*).hw.                                                                            |
| 91 | ((genetic or William* or catch-22 or rett* or congenital or f?etal alcohol) adj1 (syndrome or disorder?)).ti,ab.       |
| 92 | ((genetic* or William* or catch-22* or rett* or congenital* or f?etal alcohol*) and (syndrome* or disorder?)).hw.      |
| 93 | (perinatal illness* or perinatal hypoxia*).ti,ab.                                                                      |
| 94 | (perinatal illness* or perinatal hypoxia*).hw.                                                                         |
| 95 | (primary adj1 dystonia?).ti,ab.                                                                                        |
| 96 | (primary* and dystonia*).hw.                                                                                           |
| 97 | (heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.                                                               |
| 98 | (heredit* and motor* and sens* and neuropath*).hw.                                                                     |
| 99 | (spina bifida? or spinal dysraphism?).ti,ab.                                                                           |

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| 100 | (spina bifida* or spinal dysraphism*).hw.                                                                                                                                                                                                                                                                                    |
| 101 | ((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*)).ti,ab.                                                                                                                                                                                                      |
| 102 | ((functional* or psychogenic* or dissociative*) and neurologic* and (disorder* or dysfunction* or difficult*)).hw.                                                                                                                                                                                                           |
| 103 | ((movement* or motor* or convers*) adj1 (disorder* or dysfunct*)).ti,ab.                                                                                                                                                                                                                                                     |
| 104 | ((movement* or motor* or convers*) and (disorder* or dysfunct*)).hw.                                                                                                                                                                                                                                                         |
| 105 | ((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*)).ti,ab.                                                                                                                                                                                       |
| 106 | ((psychogenic* or dissociative* or non-epilep* or nonepilep*) and (seizure* or convulsion* or fit* or fits* or spasm* or attack*)).hw.                                                                                                                                                                                       |
| 107 | (pseudo-seizure* or pseudoseizure*).ti,ab.                                                                                                                                                                                                                                                                                   |
| 108 | (pseudo-seizure* or pseudoseizure*).hw.                                                                                                                                                                                                                                                                                      |
| 109 | (medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.                                                                                                                                                                                                                                                             |
| 110 | (medical* and (unexplain* or un-explain*) and symptom*).hw.                                                                                                                                                                                                                                                                  |
| 111 | or/1-110                                                                                                                                                                                                                                                                                                                     |
| 112 | ((begin or enter* or entry or start* or tak* up or reent* or participat* or remain* or stay* or continu* or stop* or return* or end* or integrat* or reintegrat* or engage* or reengage* or transition* or attend*) adj4 (educat* or school* or universit* or college? or academ* or classroom? or train* or learn*)).ti,ab. |
| 113 | ((begin or enter* or entry or start* or tak* up or reent* or participat* or remain* or stay* or continu* or stop* or return* or end* or integrat* or reintegrat* or engage* or reengage* or transition* or attend*) and (educat* or school* or universit* or college* or academ* or classroom* or train* or learn*)).hw.     |
| 114 | RTL.ti,ab.                                                                                                                                                                                                                                                                                                                   |
| 115 | RTL.hw.                                                                                                                                                                                                                                                                                                                      |
| 116 | ((online or distance or professional or life long or lifelong or virtual*) adj2 (learning or education or training)) or elearning or "e learning").ti,ab.                                                                                                                                                                    |
| 117 | ((online or distance or professional or life long or lifelong or virtual*) and (learning or education or training)) or elearning or "e learning").hw.                                                                                                                                                                        |
| 118 | ((educat* or school* or universit* or college? or academic) adj2 (staff? or personnel? or professional?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                        |
| 119 | ((educat* or school* or universit* or college* or academic) and (staff* or personnel* or professional*) and (training or awareness or knowledge or educat* or develop* or practice* or resource* or support* or provision*)).hw.                                                                                             |
| 120 | ((teacher? or educator? or tutor? or lecturer? or school? or faculty or professor?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                                             |
| 121 | ((teacher* or educator* or tutor* or lecturer* or school* or faculty or professor*) and (training or awareness or knowledge or educat* or develop* or practice* or resource* or support* or provision*)).hw.                                                                                                                 |
| 122 | ((mainstream* or main stream* or special or alternative or bespoke or intellectual* disab*) adj4 (educat* or school*)).ti,ab.                                                                                                                                                                                                |
| 123 | ((mainstream* or main stream* or special or alternative or bespoke or intellectual* disab*) and (educat* or school*)).hw.                                                                                                                                                                                                    |
| 124 | ((academic or college or school? or graduat* or postgrad* or student? or pupil? or undergrad* or campus?) adj4 service?).ti,ab.                                                                                                                                                                                              |
| 125 | ((academic or college or school* or graduat* or postgrad* or student* or pupil* or undergrad* or campus*) and service*).hw.                                                                                                                                                                                                  |
| 126 | (special educational needs coordinator? or SENCO).ti,ab.                                                                                                                                                                                                                                                                     |
| 127 | (special educational needs coordinator* or SENCO).hw.                                                                                                                                                                                                                                                                        |
| 128 | ((educat* or school? or universit* or college? or classroom? or pupil? or student?) adj4 (rehab* or tele-rehab* or neurorehab*)).ti,ab.                                                                                                                                                                                      |
| 129 | ((educat* or school* or universit* or college* or classroom* or pupil* or student*) and (rehab* or telerehab* or neurorehab*)).hw.                                                                                                                                                                                           |
| 130 | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom? or curricul*) adj2 (accommodat* or adjust* or adapt* or modif* or flexib* or accessib* or assist*)).ti,ab.                                                                                                          |
| 131 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom* or curricul*) and (accommodat* or adjust* or adapt* or modif* or flexib* or accessib* or assist*)).hw.                                                                                                              |
| 132 | (reasonable adj4 (accommodat* or adjust* or modif* or flexib* or accessib*)).ti,ab.                                                                                                                                                                                                                                          |
| 133 | (reasonable and (accommodat* or adjust* or modif* or flexib* or accessib*)).hw.                                                                                                                                                                                                                                              |

|     |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 134 | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj2 (liaison? or care worker? or personal assist*)),ti,ab.                                                                                                                                                                                                                                        |
| 135 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or train*) and (liaison* or care worker* or personal assist*)),hw.                                                                                                                                                                                                                                            |
| 136 | (school? adj2 nurs*),ti,ab.                                                                                                                                                                                                                                                                                                                                                                              |
| 137 | (school* and nurs*),hw.                                                                                                                                                                                                                                                                                                                                                                                  |
| 138 | ((educat* or school? or learning or academic or student? or pupil? or learner?) adj4 (function* or skill? or productiv*) adj2 (assess* or evaluat* or inventor* or capacit*)),ti,ab.                                                                                                                                                                                                                     |
| 139 | ((educat* or school* or learning or academic or student* or pupil* or learner*) and (function* or skill* or productiv*) and (assess* or evaluat* or inventor* or capacit*)),hw.                                                                                                                                                                                                                          |
| 140 | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj4 (need? or plan* or intervention* or support*)),ti,ab.                                                                                                                                                                                                                                         |
| 141 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or train*) and (need* or plan* or intervention* or support*)),hw.                                                                                                                                                                                                                                             |
| 142 | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train* or classroom?) adj4 (environment? or setting? or curricul*)),ti,ab.                                                                                                                                                                                                                                 |
| 143 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or train* or classroom*) and (environment* or setting* or curricul*)),hw.                                                                                                                                                                                                                                     |
| 144 | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((voice? or speech* or speak* or communicat*) adj4 (software* or tech* or device? or aid? or recogn*))),ti,ab.                                                                                                                                                                            |
| 145 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom*) and ((voice* or speech* or speak* or communicat*) and (software* or tech* or device* or aid* or recogn*))),hw.                                                                                                                                                                                 |
| 146 | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((assist* or adapt* or "self help" or cogniti* support*) adj4 (tech* or device* or tool* or equipment* or hardware* or software*))),ti,ab.                                                                                                                                                |
| 147 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom*) and ((assist* or adapt* or "self help" or cogniti* support*) and (tech* or device* or tool* or equipment* or hardware* or software*))),hw.                                                                                                                                                     |
| 148 | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 (comput* adj4 (interfac* or hardware* or software* or equipment*))),ti,ab.                                                                                                                                                                                                                |
| 149 | ((educat* or school* or academic or universit* or college* or student* or pupil* or learn* or classroom*) and (comput* and (interfac* or hardware* or software* or equipment*))),hw.                                                                                                                                                                                                                     |
| 150 | (training adj2 (program* or initiative? or opportunit* or support*)),ti,ab.                                                                                                                                                                                                                                                                                                                              |
| 151 | (training and (program* or initiative* or opportunit* or support*)),hw.                                                                                                                                                                                                                                                                                                                                  |
| 152 | ((educat* or school? or universit* or college? or academ* or train* or learn* or student? or pupil? or postgrad* or undergrad* or graduate?) adj2 (financ* or grant? or scholarship? or fund* or subsid* or loan?)),ti,ab.                                                                                                                                                                               |
| 153 | ((educat* or school* or universit* or college* or academ* or train* or learn* or student* or pupil* or postgrad* or undergrad* or graduate*) and (financ* or grant* or scholarship* or fund* or subsid* or loan*)),hw.                                                                                                                                                                                   |
| 154 | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 ((pay or financ* or income?) adj1 (protect* or support* or assist* or aid*))),ti,ab.                                                                                                                                                                                                                              |
| 155 | ((educat* or school* or academic or universit* or college* or student* or pupil*) and ((pay or financ* or income*) and (protect* or support* or assist* or aid*))),hw.                                                                                                                                                                                                                                   |
| 156 | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 (((disab* or sick*) adj2 (benefit? or pay)) or social security or employee assistance)),ti,ab.                                                                                                                                                                                                                    |
| 157 | ((educat* or school* or academic or universit* or college* or student* or pupil*) and (((disab* or sick*) and (benefit* or pay)) or social security or employee assistance)),hw.                                                                                                                                                                                                                         |
| 158 | ((career? or job? or work* or employ* or unemploy* or vocation* or prevocation*) adj4 (coach* or training or trainee* or retrain* or shadow* or placement? or experience* or advice or guid* or counsel* or service? or educat* or program* or intervention* or scheme? or school* or peer support* or mentor* or motivational interview* or plan* or find* or apply? or applied or application)),ti,ab. |
| 159 | ((career* or job* or work* or employ* or unemploy* or vocation* or prevocation*) and (coach* or training or trainee* or retrain* or shadow* or placement* or experience* or advice or guid* or counsel* or service* or educat* or program* or intervention* or scheme* or school* or peer support* or mentor* or motivational interview* or plan* or find* or apply* or applied or application)),hw.     |
| 160 | ((educat* or train* or learn* or career? or job? or vocation* or prevocation*) adj2 (develop* or progress* or goal? or success* or opportunit*)),ti,ab.                                                                                                                                                                                                                                                  |
| 161 | ((educat* or train* or learn* or career* or job* or vocation* or prevocation*) and (develop* or progress* or goal* or success* or opportunit*)),hw.                                                                                                                                                                                                                                                      |

|     |                                                                                |
|-----|--------------------------------------------------------------------------------|
| 162 | ((voluntary or paid or unpaid) adj (work or employment or role?)).ti,ab.       |
| 163 | ((voluntary or paid or unpaid) and (work or employment or role*)).hw.          |
| 164 | (intern? or internship? or traineeship? or apprentice* or volunteering).ti,ab. |
| 165 | (intern? or internship? or traineeship? or apprentice* or volunteering).hw.    |
| 166 | or/112-165                                                                     |
| 167 | 111 and 166                                                                    |
| 168 | limit 167 to yr="2013 -Current"                                                |

## Database: PsycInfo <1987 to June Week 4 2023>

Date of last search: 07/07/2023

|    |                                                                                                                                                                                                                                                                                                                                                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | (exp Brain Injuries/ or anoxia/ or exp brain disorders/ or exp cerebrovascular disorders/ or exp headache/) not (exp Dementia/ or Cerebrovascular Accidents/)                                                                                                                                                                                       |
| 2  | ((brain* or cereb* or craniocereb* or cranial or intracran* or neurocognit*) adj2 (injur* or trauma* or damage* or disease*1 or disorder* or infect* or h?emorrhag* or neoplasm* or cancer* or tumor?r* or insult* or impair* or ischemi* or ischaemi* or infarcti* or hypoxi* or drown*)).ti,ab.                                                   |
| 3  | (chronic* adj1 trauma* adj2 encephalopath*).ti,ab.                                                                                                                                                                                                                                                                                                  |
| 4  | ((infratentorial* or supratentorial* or hypothalam* or pituitar* or choroid plexus) adj2 (neoplasm* or cancer* or tumor?r* or carcinom* or adenocarcinom*)).ti,ab.                                                                                                                                                                                  |
| 5  | (brain* adj2 abscess*).ti,ab.                                                                                                                                                                                                                                                                                                                       |
| 6  | (carotid arter* adj2 (disease* or injur*)).ti,ab.                                                                                                                                                                                                                                                                                                   |
| 7  | ("basal ganglia disease*" or encephalitis or meningoencephalitis or hydrocephal* or "paraneoplastic cereb* degenerat*" or "shak* baby syndrome").ti,ab.                                                                                                                                                                                             |
| 8  | Cerebrovascular Accidents/ and (exp childhood development/ or exp adolescent development/ or pediatrics/ or puberty/)                                                                                                                                                                                                                               |
| 9  | (stroke? adj3 (p?ediatric* or child* or adolescen* or kid or kids or youth* or youngster* or minor or minors or underage* or under-age* or "under age*" or teen or teens or teenager* or juvenile* or boy or boys or boyhood or girl or girls or girlhood or schoolchild* or "school age*" or schoolage* or "under 16" or "under sixteen*")).ti,ab. |
| 10 | spinal cord injuries/ or (Spinal Cord/ and neoplasms/) or (Cardiovascular Disorders/ and spinal cord/) or exp myelitis/                                                                                                                                                                                                                             |
| 11 | ((spinal* or spine?) adj2 (injur* or trauma* or tumor?r* or neoplasm* or cancer* or infect* or insult* or disease? or disorder* or degenrat* or compress* or vascular* or ischemi* or ischaemi* or infarct* or h?emorrhag*)).ti,ab.                                                                                                                 |
| 12 | (Central cord syndrome* or transverse myelitis).ti,ab.                                                                                                                                                                                                                                                                                              |
| 13 | (epidural* adj2 (neoplasm* or cancer* or tumor?r* or abscess*)).ti,ab.                                                                                                                                                                                                                                                                              |
| 14 | ((spinal* or spine?) adj2 (viral* or virus* or polio* or acquired immunodeficiency syndrome or AIDS or HIV or bacterial* or neurosyphili* or neuro-syphili* or tubercul*)).ti,ab.                                                                                                                                                                   |
| 15 | (exp Peripheral Nervous System/ and (Injuries/ or neoplasms/)) or nervous system disorders/                                                                                                                                                                                                                                                         |
| 16 | ((periph* or cranial*) adj1 (nerve? or nervous system) adj2 (injur* or trauma* or disorder* or disease* or damage* or neoplasm* or cancer* or tumor?r* or inflamm* or autoimmun* or paraneoplastic* or neuropath* or syndrome?)).ti,ab.                                                                                                             |
| 17 | (Guillain* adj1 Barr*).ti,ab.                                                                                                                                                                                                                                                                                                                       |
| 18 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 injur*).ti,ab.                                                                                                                                       |
| 19 | (optic* adj1 nerve* adj2 (neoplasm* or cancer* or tumor?r*)).ti,ab.                                                                                                                                                                                                                                                                                 |
| 20 | (brachial plexus adj1 (neuropath* or neuritis)).ti,ab.                                                                                                                                                                                                                                                                                              |
| 21 | (complex regional pain syndrome* or causalgia or mononeuropath* or nerve compression syndrome*).ti,ab.                                                                                                                                                                                                                                              |
| 22 | ((femoral or median or peroneal or radial or sciatic or tibial or ulnar) adj1 neuropath*).ti,ab.                                                                                                                                                                                                                                                    |
| 23 | ((carpal-tunnel or piriformis-muscle or tarsal-tunnel or thoracic-outlet) adj1 syndrome*).ti,ab.                                                                                                                                                                                                                                                    |
| 24 | (pudendal neuralgia or polyneuropath* or polyradiculoneuropath* or polyradiculopath* or radiculopath*).ti,ab.                                                                                                                                                                                                                                       |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25 | ((abducen* or accessory or facial or glossopharyngeal or hypoglossal or oculomotor or ocular motility or olfactory or optic* or trigeminal or trochlear or vestibulocochlear) adj1 nerve* adj1 disease*).ti,ab.                                                                                                                                                                                 |
| 26 | (periph* adj2 neuropath*).ti,ab.                                                                                                                                                                                                                                                                                                                                                                |
| 27 | ((((periph* or cranial*) adj2 (nerve? or nervous system)) and lupus).ti,ab.                                                                                                                                                                                                                                                                                                                     |
| 28 | ((multi-focal* or multifocal*) adj2 motor adj1 neuropath*).ti,ab.                                                                                                                                                                                                                                                                                                                               |
| 29 | ((((periph* or cranial*) adj2 (nerve? or nervous system)) and alcohol*).ti,ab.                                                                                                                                                                                                                                                                                                                  |
| 30 | motor neurons/ or exp muscular disorders/ or exp neuromuscular disorders/ or multiple sclerosis/ or neurodegenerative diseases/ or Progressive Supranuclear Palsy/ or corticobasal degeneration/ or Metabolism Disorders/ or Williams Syndrome/ or genetic disorders/ or rett syndrome/ or fetal alcohol syndrome/ or exp peripheral neuropathy/ or spina bifida/                               |
| 31 | (neurolog* adj1 (condition* or disease* or damage* or disorder* or impair*).ti,ab.                                                                                                                                                                                                                                                                                                              |
| 32 | ((motor-neuron* or gehrig* or charcott* or kennedy*) adj1 disease*).ti,ab.                                                                                                                                                                                                                                                                                                                      |
| 33 | ((amyotroph* or primary) adj1 lateral* adj1 sclero*).ti,ab.                                                                                                                                                                                                                                                                                                                                     |
| 34 | (bulbar adj1 pals*).ti,ab.                                                                                                                                                                                                                                                                                                                                                                      |
| 35 | ((muscular or muscle* or bulbo) adj1 atroph* adj1 spin*).ti,ab.                                                                                                                                                                                                                                                                                                                                 |
| 36 | (progressiv* adj1 (muscular or muscle*) adj1 atroph*).ti,ab.                                                                                                                                                                                                                                                                                                                                    |
| 37 | ((postpolio* or post-polio*) adj1 syndrome?).ti,ab.                                                                                                                                                                                                                                                                                                                                             |
| 38 | (Parkinson* or duchenne* or multiple scleros?s* or aphasia or creutzfeldt-jakob or huntington* or kløver-bucy).ti,ab.                                                                                                                                                                                                                                                                           |
| 39 | (muscular adj1 dystroph*).ti,ab.                                                                                                                                                                                                                                                                                                                                                                |
| 40 | (neuromusc* adj1 (disease* or disorder?)).ti,ab.                                                                                                                                                                                                                                                                                                                                                |
| 41 | (heredit* adj1 spastic* adj1 parapleg*).ti,ab.                                                                                                                                                                                                                                                                                                                                                  |
| 42 | "friedreich* ataxia*".ti,ab.                                                                                                                                                                                                                                                                                                                                                                    |
| 43 | ((multiple system or olivopontocerebellar) adj1 atroph*).ti,ab.                                                                                                                                                                                                                                                                                                                                 |
| 44 | (shy-drager syndrome* or striatonigral degenerat* or batten* disease?).ti,ab.                                                                                                                                                                                                                                                                                                                   |
| 45 | (progressive adj1 supranuclear adj1 pals*).ti,ab.                                                                                                                                                                                                                                                                                                                                               |
| 46 | (richardson* adj1 (disease? or syndrome?)).ti,ab.                                                                                                                                                                                                                                                                                                                                               |
| 47 | ((corticobasal or cortico basal) adj1 degenerat*).ti,ab.                                                                                                                                                                                                                                                                                                                                        |
| 48 | (white adj1 matter adj1 disorder?).ti,ab.                                                                                                                                                                                                                                                                                                                                                       |
| 49 | (metachromatic leukodystroph* or mitochondrial myopath* or mucopolysaccharidos*).ti,ab.                                                                                                                                                                                                                                                                                                         |
| 50 | (lysosomal adj1 storage adj1 disorder?).ti,ab.                                                                                                                                                                                                                                                                                                                                                  |
| 51 | ((genetic or William* or catch-22 or rett* or congenital or fetal alcohol) adj1 (syndrome or disorder*).ti,ab.                                                                                                                                                                                                                                                                                  |
| 52 | (perinatal illness* or perinatal hypoxia*).ti,ab.                                                                                                                                                                                                                                                                                                                                               |
| 53 | (primary adj1 dystonia?).ti,ab.                                                                                                                                                                                                                                                                                                                                                                 |
| 54 | (heredit* adj1 motor* adj1 sens* adj1 neuropath*).ti,ab.                                                                                                                                                                                                                                                                                                                                        |
| 55 | (spina bifida? or spinal dysraphism?).ti,ab.                                                                                                                                                                                                                                                                                                                                                    |
| 56 | conversion disorder/                                                                                                                                                                                                                                                                                                                                                                            |
| 57 | ((functional* or psychogenic* or dissociative*) adj1 neurologic* adj1 (disorder* or dysfunction* or difficult*).ti,ab.                                                                                                                                                                                                                                                                          |
| 58 | ((movement* or motor* or convers*) adj1 (disorder* or dysfunct*).ti,ab.                                                                                                                                                                                                                                                                                                                         |
| 59 | ((psychogenic or dissociative or non-epilep* or nonepilep*) adj1 (seizure* or convulsion* or fit or fits or spasm* or attack*).ti,ab.                                                                                                                                                                                                                                                           |
| 60 | (pseudo-seizure* or pseudoseizure*).ti,ab.                                                                                                                                                                                                                                                                                                                                                      |
| 61 | (medical* adj1 (unexplain* or un-explain*) adj1 symptom?).ti,ab.                                                                                                                                                                                                                                                                                                                                |
| 62 | or/1-61                                                                                                                                                                                                                                                                                                                                                                                         |
| 63 | education/ or exp adult education/ or educational degrees/ or educational placement/ or elementary education/ or high school education/ or exp higher education/ or middle school education/ or paraprofessional education/ or private school education/ or public school education/ or secondary education/ or remedial education/ or compensatory education/ or exp nontraditional education/ |
| 64 | exp academic settings/ or school attendance/ or school enrollment/ or exp school transition/ or school adjustment/                                                                                                                                                                                                                                                                              |
| 65 | teaching/ or tutoring/ or earning/ or adult learning/ or school learning/                                                                                                                                                                                                                                                                                                                       |
| 66 | exp Students/                                                                                                                                                                                                                                                                                                                                                                                   |



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| 67  | ((begin or enter* or entry or start* or tak* up or reent* or participat* or remain* or stay* or continu* or stop* or return* or end* or integrat* or reintegrat* or engage* or reengage* or transition* or attend*) adj4 (educat* or school* or universit* or college? or academ* or classroom? or train* or learn*)).ti,ab. |
| 68  | RTL.ti,ab.                                                                                                                                                                                                                                                                                                                   |
| 69  | distance education/ or blended learning/ or exp electronic learning/ or virtual classrooms/                                                                                                                                                                                                                                  |
| 70  | ((online or distance or professional or life long or lifelong or virtual*) adj2 (learning or education or training)) or elearning or "e learning").ti,ab.                                                                                                                                                                    |
| 71  | educational personnel/ or school administrators/ or school counselors/ or teacher aides/ or exp teachers/                                                                                                                                                                                                                    |
| 72  | teacher education/ or teaching methods/                                                                                                                                                                                                                                                                                      |
| 73  | ((educat* or school* or universit* or college? or academic) adj2 (staff? or personnel? or professional?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                        |
| 74  | ((teacher? or educator? or tutor? or lecturer? or school? or faculty or professor?) adj4 (training or awareness or knowledge or educat* or develop* or practice? or resource? or support* or provision?)).ti,ab.                                                                                                             |
| 75  | exp Special Education/ or special needs/ or individualized instruction/                                                                                                                                                                                                                                                      |
| 76  | ((mainstream* or main stream* or special or alternative or bespoke or intellectual* disab*) adj4 (educat* or school*)).ti,ab.                                                                                                                                                                                                |
| 77  | college mental health services/ or school based mental health services/ or student personnel services/                                                                                                                                                                                                                       |
| 78  | school nurses/                                                                                                                                                                                                                                                                                                               |
| 79  | ((academic or college or school? or graduat* or postgrad* or student? or pupil? or undergrad* or campus?) adj4 service?).ti,ab.                                                                                                                                                                                              |
| 80  | (special educational needs coordinator? or SENCO).ti,ab.                                                                                                                                                                                                                                                                     |
| 81  | ((educat* or school? or universit* or college? or classroom? or pupil? or student?) adj4 (rehab* or tele-rehab* or neurorehab*)).ti,ab.                                                                                                                                                                                      |
| 82  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom? or curricul*) adj2 (accommodat* or adjust* or adapt* or modif* or flexib* or accessib* or assist*)).ti,ab.                                                                                                          |
| 83  | (reasonable adj4 (accommodat* or adjust* or modif* or flexib* or accessib*)).ti,ab.                                                                                                                                                                                                                                          |
| 84  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj2 (liaison? or care worker? or personal assist*)).ti,ab.                                                                                                                                                            |
| 85  | (school? adj2 nurs*).ti,ab.                                                                                                                                                                                                                                                                                                  |
| 86  | School Based Intervention/                                                                                                                                                                                                                                                                                                   |
| 87  | school facilities/ or academic environment/ or classroom environment/ or exp school environment/ or learning environment/                                                                                                                                                                                                    |
| 88  | needs assessment/                                                                                                                                                                                                                                                                                                            |
| 89  | ((educat* or school? or learning or academic or student? or pupil? or learner?) adj4 (function* or skill? or productiv*) adj2 (assess* or evaluat* or inventor* or capacit*)).ti,ab.                                                                                                                                         |
| 90  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train*) adj4 (need? or plan* or intervention* or support*)).ti,ab.                                                                                                                                                             |
| 91  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or train* or classroom?) adj4 (environment? or setting? or curricul*)).ti,ab.                                                                                                                                                     |
| 92  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((voice? or speech* or speak* or communicat*) adj4 (software* or tech* or device? or aid? or recogn*))).ti,ab.                                                                                                |
| 93  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 ((assist* or adapt* or "self help" or cogniti* support*) adj4 (tech* or device* or tool* or equipment* or hardware* or software*))).ti,ab.                                                                    |
| 94  | ((educat* or school? or academic or universit* or college? or student? or pupil? or learn* or classroom?) adj6 (comput* adj4 (interfac* or hardware* or software* or equipment*))).ti,ab.                                                                                                                                    |
| 95  | educational programs/                                                                                                                                                                                                                                                                                                        |
| 96  | educational financial assistance/ or exp government programs/ or funding/                                                                                                                                                                                                                                                    |
| 97  | (training adj2 (program* or initiative? or opportunit* or support*)).ti,ab.                                                                                                                                                                                                                                                  |
| 98  | ((educat* or school? or universit* or college? or academ* or train* or learn* or student? or pupil? or postgrad* or undergrad* or graduate?) adj2 (financ* or grant? or scholarship? or fund* or subsid* or loan?)).ti,ab.                                                                                                   |
| 99  | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 ((pay or financ* or income?) adj1 (protect* or support* or assist* or aid*))).ti,ab.                                                                                                                                                  |
| 100 | ((educat* or school? or academic or universit* or college? or student? or pupil?) adj4 (((disab* or sick*) adj2 (benefit? or pay)) or social security or employee assistance)).ti,ab.                                                                                                                                        |

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| 101 | exp vocational education/ or occupational guidance/ or vocational counselors/ or career education/ or career development/ or professional development/ or professional certification/ or educational counseling/                                                                                                                                                                                         |
| 102 | training/ or personnel training/ or coaching/ or coaches/ or mentor/                                                                                                                                                                                                                                                                                                                                     |
| 103 | apprenticeship/ or *volunteers/                                                                                                                                                                                                                                                                                                                                                                          |
| 104 | ((career? or job? or work* or employ* or unemploy* or vocation* or prevocation*) adj4 (coach* or training or trainee* or retrain* or shadow* or placement? or experience* or advice or guid* or counsel* or service? or educat* or program* or intervention* or scheme? or school* or peer support* or mentor* or motivational interview* or plan* or find* or apply? or applied or application)).ti,ab. |
| 105 | ((educat* or train* or learn* or career? or job? or vocation* or prevocation*) adj2 (develop* or progress* or goal? or success* or opportunity)).ti,ab.                                                                                                                                                                                                                                                  |
| 106 | ((voluntary or paid or unpaid) adj (work or employment or role?)).ti,ab.                                                                                                                                                                                                                                                                                                                                 |
| 107 | (intern? or internship? or traineeship? or apprentice* or volunteering).ti,ab.                                                                                                                                                                                                                                                                                                                           |
| 108 | or/63-107                                                                                                                                                                                                                                                                                                                                                                                                |
| 109 | 62 and 108                                                                                                                                                                                                                                                                                                                                                                                               |
| 110 | (letter or editorial or comment reply).dt. or case report/                                                                                                                                                                                                                                                                                                                                               |
| 111 | (letter or comment*).ti.                                                                                                                                                                                                                                                                                                                                                                                 |
| 112 | or/110-111                                                                                                                                                                                                                                                                                                                                                                                               |
| 113 | exp randomized controlled trial/                                                                                                                                                                                                                                                                                                                                                                         |
| 114 | random*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                           |
| 115 | or/113-114                                                                                                                                                                                                                                                                                                                                                                                               |
| 116 | 112 not 115                                                                                                                                                                                                                                                                                                                                                                                              |
| 117 | animal.po.                                                                                                                                                                                                                                                                                                                                                                                               |
| 118 | (rat or rats or rodent* or mouse or mice).ti.                                                                                                                                                                                                                                                                                                                                                            |
| 119 | or/116-118                                                                                                                                                                                                                                                                                                                                                                                               |
| 120 | 109 not 119                                                                                                                                                                                                                                                                                                                                                                                              |
| 121 | limit 120 to english language                                                                                                                                                                                                                                                                                                                                                                            |
| 122 | limit 121 to yr="2013 -Current"                                                                                                                                                                                                                                                                                                                                                                          |
| 123 | (meta analysis or "systematic review").md.                                                                                                                                                                                                                                                                                                                                                               |
| 124 | META ANALYSIS/                                                                                                                                                                                                                                                                                                                                                                                           |
| 125 | SYSTEMATIC REVIEW/                                                                                                                                                                                                                                                                                                                                                                                       |
| 126 | (meta analy* or metanaly* or metaanaly*).ti,ab.                                                                                                                                                                                                                                                                                                                                                          |
| 127 | ((systematic* or evidence*) adj2 (review* or overview?)).ti,ab.                                                                                                                                                                                                                                                                                                                                          |
| 128 | (reference list* or bibliograph* or hand search* or manual search* or relevant journals).ab.                                                                                                                                                                                                                                                                                                             |
| 129 | (search strategy or search criteria or systematic search or study selection or data extraction).ab.                                                                                                                                                                                                                                                                                                      |
| 130 | (search* adj4 literature).ab.                                                                                                                                                                                                                                                                                                                                                                            |
| 131 | ((pool* or combined) adj2 (data or trials or studies or results)).ab.                                                                                                                                                                                                                                                                                                                                    |
| 132 | (medline or pubmed or cochrane or embase or psychlit or psyclit or cinahl or science citation index or bids or cancerlit).ab.                                                                                                                                                                                                                                                                            |
| 133 | or/123-132                                                                                                                                                                                                                                                                                                                                                                                               |
| 134 | clinical trial.md.                                                                                                                                                                                                                                                                                                                                                                                       |
| 135 | Clinical trials/                                                                                                                                                                                                                                                                                                                                                                                         |
| 136 | Randomized controlled trials/                                                                                                                                                                                                                                                                                                                                                                            |
| 137 | Randomized clinical trials/                                                                                                                                                                                                                                                                                                                                                                              |
| 138 | assign*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                           |
| 139 | allocat*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                          |
| 140 | crossover*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                        |
| 141 | cross over*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                       |
| 142 | ((doubl* or singl*) adj blind*).ti,ab.                                                                                                                                                                                                                                                                                                                                                                   |
| 143 | factorial*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                        |
| 144 | placebo*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                          |
| 145 | random*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                           |
| 146 | volunteer*.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                        |
| 147 | trial?.ti,ab.                                                                                                                                                                                                                                                                                                                                                                                            |

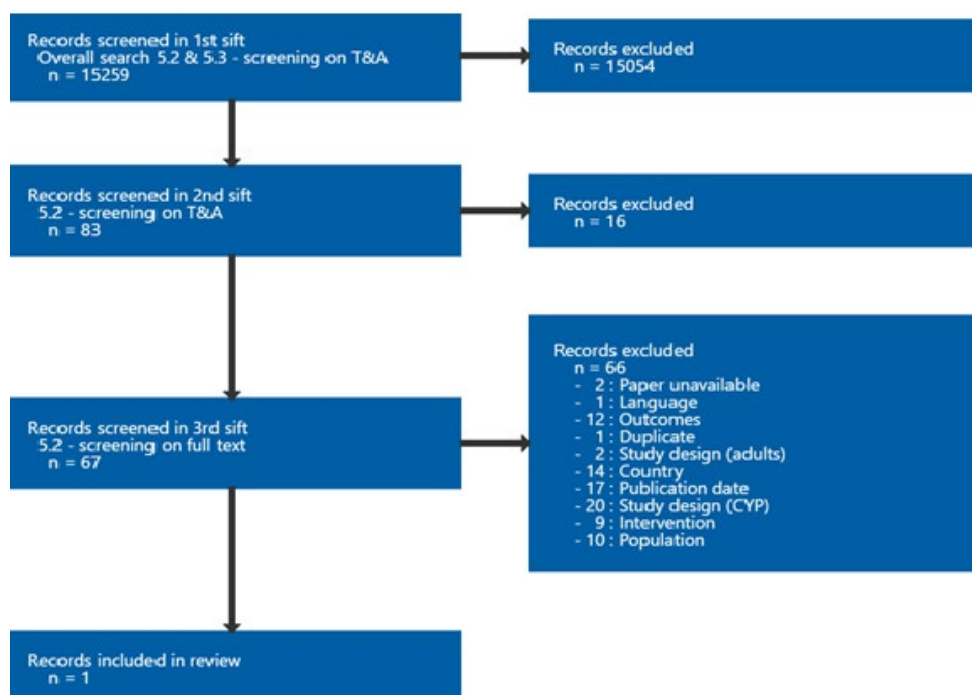


|     |                      |
|-----|----------------------|
|     |                      |
| 148 | or/134-147           |
| 149 | 122 and (133 or 148) |

## Appendix C Effectiveness evidence study selection

**Study selection for: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

**Figure 1: Study selection flow chart**



## Appendix D Evidence tables

**Evidence tables for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

**Table 4: Evidence tables**

**Tate, 2018**

**Bibliographic Reference** Tate, R.L.; Genders, M.; Soo, C.; Rosenkoetter, U.; Dunn, M.; Briggs, R.; Preparing Adolescents for Life after School (PALS) Project: A Randomised Controlled Trial of a Coaching Intervention for Young People with Acquired Brain Injury; Brain Impairment; 2018; vol. 20 (no. 1); 1-15

### Study details

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Country/ies where study was carried out</b> | Australia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Study type</b>                              | Randomised controlled trial (RCT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Study dates</b>                             | March 2009 - January 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Inclusion criteria</b>                      | <ul style="list-style-type: none"> <li>- Moderate to severe traumatic brain injury (TBI) as indicated by Glasgow Coma Scale (GCS) score of 12 or less, and/or post-traumatic amnesia (PTA) duration greater than 1 day, or other standard severity of brain injury indicator,</li> <li>- Injury sustained while eligible for paediatric rehabilitation services,</li> <li>- Current outreach clients of one of the state brain injury rehabilitation services,</li> <li>- In later high school years (9, 10, 11 or 12) or completing the higher school certificate at the Technical and Further Education Commission or via 'Pathways',</li> <li>- Planning to leave school within the next 12 months,</li> </ul> |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | - Aged between 14 and 20 years at the time of recruitment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Exclusion criteria</b>      | <ul style="list-style-type: none"> <li>- Discharged to a destination outside the state or currently resided outside the state,</li> <li>- Did not attend a mainstream high school and/or participate in other education methods or programmes (for example home schooled),</li> <li>- Spoke a primary language other than English and required an interpreter to complete the assessment,</li> <li>- Severity of brain injury sequelae preventing participation in the assessment and intervention components of the study.</li> </ul>                                                                                                                                                                                                         |
| <b>Patient characteristics</b> | <p>N=43 children and young people with traumatic brain injury</p> <ul style="list-style-type: none"> <li>- Coaching intervention: n=21</li> <li>- No intervention: n=22</li> </ul> <p>Age in years [Mean (SD)]:</p> <ul style="list-style-type: none"> <li>- Coaching intervention: 15.5 (1.2)</li> <li>- No intervention: 15.9 (1.1)</li> </ul> <p>Sex (M/F):</p> <ul style="list-style-type: none"> <li>- Coaching intervention: n=13/n=8</li> <li>- No intervention: n=17/n=5</li> </ul> <p>Time since injury in months [Mean (SD)]:</p> <ul style="list-style-type: none"> <li>- Coaching intervention: 81.2 (60)</li> <li>- No intervention: 83.6 (64.9)</li> </ul> <p>Chronic Neurological Disorder Category: Acquired brain injury.</p> |
| <b>Intervention(s)/control</b> | <p><b>Intervention</b></p> <p>Name: Coaching intervention</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <p>Protocol intervention group: Interventions to support participation in school education (including entering, remaining in, or returning to or leave education)</p> <p>Delivery setting: Home</p> <p>Number/frequency of sessions: 30–60 minutes session occurring every 2-4 weeks</p> <p>Duration: 12-month period, including after the adolescent completed high school.</p> <p>Practitioner: Coaches and clinical consultants. Coaches had experience working with people with brain injury and other disabilities, in the areas of rehabilitation counselling, vocational rehabilitation, career counselling, occupational therapy and teaching. The coaches underwent a training programme that included 5 days training in coaching and 5 days training in other psychological techniques.</p> <p>The intervention for each participant was developed by the coaches in collaboration with the participant, as well as the clinical consultant. Content of the sessions was flexible and adapted to each adolescent. Initial sessions included rapport building to engage and encourage the adolescent. Later sessions included the implementation of coaching techniques as appropriate to the adolescent's progress. A typical session involved time spent identifying areas of importance for the adolescent, then developing goals to achieve in these areas.</p> <p><b>Control</b></p> <p>Name: No treatment</p> <p>Protocol description: Control (no intervention)</p> <p>Delivery setting: Not applicable</p> <p>Number/ frequency of sessions: Not applicable</p> <p>Duration: Not applicable</p> <p>Control defined as no treatment, no further details provided.</p> |
| <b>Duration of follow-up</b> | 6 months post-intervention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sources of funding</b> | Not industry funded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sample size</b>        | N=43<br>- Coaching intervention: n=21<br>- No intervention: n=22                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Other information</b>  | Other health conditions, whether pre-existing or onset after the brain injury were as follows: coaching intervention group (mild cerebral palsy (n = 1), mild autism spectrum disorder (n = 1), onset of epilepsy (n = 1), concussion from a subsequent head injury (n = 2)); control group (n = 5; previous sport-related head and spinal injury, dyslexia, attention-deficit hyperactivity disorder, sleep apnea and epilepsy). In spite of these medical issues, all participants attended mainstream schools. |

N/n: number of participants; SD: standard deviation

## Outcomes

### Study timepoints

- Baseline
- Post-intervention (12 months from baseline)
- 6 months post-intervention

### Coaching intervention versus control: Participation and satisfaction

Participation in education as measured by Child and Adolescent Scale of Participation - polarity - higher values are better

Patient satisfaction as measured by Satisfaction with Life Scale - polarity - higher values are better

| <b>Outcome</b> | <b>Coaching intervention, post-intervention, N = 16</b> | <b>Coaching intervention, 6-months post-intervention, N = 15</b> | <b>No intervention, post-intervention, N = 19</b> | <b>No intervention, 6-months post-intervention, N = 16</b> |
|----------------|---------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|
| <b>CASP</b>    | 91.3 (31.6)                                             | 93.8 (23.5)                                                      | 91.3 (16.9)                                       | 97.5 (16.3)                                                |

| Outcome                   | Coaching intervention, post-intervention, N = 16 | Coaching intervention, 6-months post-intervention, N = 15 | No intervention, post-intervention, N = 19 | No intervention, 6-months post-intervention, N = 16 |
|---------------------------|--------------------------------------------------|-----------------------------------------------------------|--------------------------------------------|-----------------------------------------------------|
| Mean scores at follow-up. |                                                  |                                                           |                                            |                                                     |
| Median (IQR)              |                                                  |                                                           |                                            |                                                     |
| <b>SWLS</b>               | 25 (10.5)                                        | 25 (17.5)                                                 | 28 (27)                                    | 28 (8)                                              |
| Mean scores at follow-up. |                                                  |                                                           |                                            |                                                     |
| Median (IQR)              |                                                  |                                                           |                                            |                                                     |

CASP: child and adolescent scale of participation; IQR: interquartile range; N/n: number of participants; SWLS: satisfaction with life scale

## Critical appraisal – Cochrane RoB 2

| Section                                                                                                          | Question                                                                                           | Answer                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Domain 1: Bias arising from the randomisation process                                                            | Risk of bias judgement for the randomisation process                                               | Low<br>(Block randomisation, using a computer-generated random number sequence, with blocks of at least 6 participants. Allocation to intervention or control group was concealed; randomisation was conducted by the principal investigator, who was located offsite and was not involved in either the delivery of the intervention or the assessments. Baseline characteristics balanced at baseline.) |
| Domain 2a: Risk of bias due to deviations from the intended interventions (effect of assignment to intervention) | Risk of bias for deviations from the intended interventions (effect of assignment to intervention) | Low<br>(Although participants and personnel were aware of interventions allocated, there were no deviations from intended interventions. Intention-to-treat analysis was used.)                                                                                                                                                                                                                           |
| Domain 3. Bias due to missing outcome data                                                                       | Risk-of-bias judgement for missing outcome data                                                    | Some concerns<br>(29% and 28% of participants in the intervention and control groups, respectively were lost to follow-up at the final assessment time-point; all results were biased by missing data; loss to follow-up balanced between groups so missingness does not depend on true value.)                                                                                                           |

| Section                                            | Question                                                    | Answer                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Domain 4. Bias in measurement of the outcome       | Risk-of-bias judgement for measurement of the outcome       | Some concerns<br><i>(The questionnaires used were all validated and widely used tools: satisfaction with life scale; child and adolescent scale of participation. Standardised and validated measurement tools implemented by researchers blinded to allocation, however outcomes subjective and participants aware of allocation.)</i> |
| Domain 5. Bias in selection of the reported result | Risk-of-bias judgement for selection of the reported result | Some concerns<br><i>(No details on published protocol.)</i>                                                                                                                                                                                                                                                                             |
| Overall bias and Directness                        | Risk of bias judgement                                      | Some concerns                                                                                                                                                                                                                                                                                                                           |
| Overall bias and Directness                        | Overall Directness                                          | Directly applicable                                                                                                                                                                                                                                                                                                                     |



## Appendix E Forest plots

**Forest plots for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

No meta-analysis was conducted for this review question and so there are no forest plots.

## Appendix F GRADE tables

**GRADE tables for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

**Table 5: Evidence profile for comparison between interventions to support participation in school education and control in children and young people with acquired brain injury**

| Quality assessment                                                                                                                             |                   |                      |                          |                         |                           |                      | No of patients        |                 | Effect            |                                                                                                               | Quality  | Importance |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------|--------------------------|-------------------------|---------------------------|----------------------|-----------------------|-----------------|-------------------|---------------------------------------------------------------------------------------------------------------|----------|------------|
| No of studies                                                                                                                                  | Design            | Risk of bias         | Inconsistency            | Indirectness            | Imprecision               | Other considerations | Coaching intervention | No intervention | Relative (95% CI) | Absolute                                                                                                      |          |            |
| Participation as measured by the Child and Adolescent Scale of Participation at post-intervention (Better indicated by higher values)          |                   |                      |                          |                         |                           |                      |                       |                 |                   |                                                                                                               |          |            |
| 1<br>(Tate 2018)                                                                                                                               | randomised trials | serious <sup>1</sup> | no serious inconsistency | serious <sup>2</sup>    | very serious <sup>3</sup> | none                 | 16                    | 19              | -                 | Coaching median (IQR): 91.3 (31.6)<br><br>Control median (IQR): 91.3 (16.9)<br><br>p-value >0.05 <sup>4</sup> | VERY LOW | CRITICAL   |
| Participation as measured by the Child and Adolescent Scale of Participation at 6 months post-intervention (Better indicated by higher values) |                   |                      |                          |                         |                           |                      |                       |                 |                   |                                                                                                               |          |            |
| 1<br>(Tate 2018)                                                                                                                               | randomised trials | serious <sup>1</sup> | no serious inconsistency | serious <sup>2</sup>    | very serious <sup>3</sup> | none                 | 15                    | 16              | -                 | Coaching median (IQR): 93.8 (23.5)<br><br>Control median (IQR): 97.5 (16.3)<br><br>p-value >0.05 <sup>4</sup> | VERY LOW | CRITICAL   |
| Satisfaction as measured by the Satisfaction with Life Scale at post-intervention (Better indicated by higher values)                          |                   |                      |                          |                         |                           |                      |                       |                 |                   |                                                                                                               |          |            |
| 1<br>(Tate 2018)                                                                                                                               | randomised trials | serious              | no serious inconsistency | no serious indirectness | very serious <sup>3</sup> | none                 | 16                    | 19              | -                 | Coaching median (IQR): 25 (10.5)<br><br>Control median (IQR): 28 (7)<br><br>p-value >0.05 <sup>4</sup>        | VERY LOW | IMPORTANT  |
| Satisfaction as measured by the Satisfaction with Life Scale at 6 months post-intervention (Better indicated by higher values)                 |                   |                      |                          |                         |                           |                      |                       |                 |                   |                                                                                                               |          |            |
| 1<br>(Tate 2018)                                                                                                                               | randomised trials | serious <sup>1</sup> | no serious inconsistency | no serious indirectness | very serious <sup>3</sup> | none                 | 15                    | 16              | -                 | Coaching median (IQR): 25 (17.5)                                                                              | VERY LOW | IMPORTANT  |

|  |  |  |  |  |  |  |  |  |  |                                                                   |  |  |
|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|--|--|
|  |  |  |  |  |  |  |  |  |  | Control median (IQR):<br>28 (8)<br><br>p-value >0.05 <sup>4</sup> |  |  |
|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|--|--|

CI: confidence interval; IQR: interquartile range  
1 Serious risk of bias in the evidence contributing to the outcomes as per Cochrane ROB2  
2 Child and Adolescent Scale of Participation consists of 4 different domains of participation, only 1 domain pertains to participation in school  
3 Very serious imprecision due to sample size <200  
4 Differences between groups judged to be non-statistically significant according to author analysis

## **Appendix G Economic evidence study selection**

**Study selection for: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

Please see Supplement 2 for details on search that was undertaken and study selection.

## **Appendix H Economic evidence tables**

**Economic evidence tables for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

No evidence was identified which was applicable to this review question.

## **Appendix I   Economic model**

**Economic model for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

No economic analysis was conducted for this review question.

## Appendix J Excluded studies

**Excluded studies for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

### Excluded effectiveness studies

**Table 6: Excluded studies and reasons for their exclusion**

| Study                                                                                                                                                                                                                                                                                                                      | Reason for exclusion                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ally, Sherry L (2013) School Transition and re-Entry Program (STEP). Casebook of exemplary evidence-informed programs that foster community participation after acquired brain injury.: 195-209                                                                                                                            | - Paper unavailable.                                                                                                                                                                                                                                                                  |
| Arnett, Anne B, Peterson, Robin L, Kirkwood, Michael W et al. (2013) Behavioral and cognitive predictors of educational outcomes in pediatric traumatic brain injury. Journal of the International Neuropsychological Society: JINS 19(8): 881-9                                                                           | - Country<br>Study conducted in the US.                                                                                                                                                                                                                                               |
| Bartholome, Lisa and Winter, Yaroslav (2020) Quality of Life and Resilience of Patients With Juvenile Stroke: A Systematic Review. Journal of stroke and cerebrovascular diseases: the official journal of National Stroke Association 29(10): 105129                                                                      | - Publication date<br>Systematic review with 3/6 studies published 2013 onwards, and 3/6 published pre-2013. Studies published 2013 onwards were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened. |
| Bono, Geraldine L P, Achermann, Prisca, Ruckriem, Barbel et al. (2022) Goal-Directed Personalized Upper Limb Intensive Therapy (PULIT) for Children With Hemiparesis: A Retrospective Analysis. The American journal of occupational therapy : official publication of the American Occupational Therapy Association 76(6) | - Study design (CYP)<br>Non-comparative study.                                                                                                                                                                                                                                        |
| Brandt, Anne E, Finnanger, Torun G, Hypher, Ruth E et al. (2021) Rehabilitation of executive function in chronic paediatric brain injury: a randomized controlled trial. BMC medicine 19(1): 253                                                                                                                           | - Intervention<br>Intervention is to support executive function, not an intervention to support participation in education or training.                                                                                                                                               |
| Brown, Felicity Louise, Whittingham, Koa, Boyd, Roslyn et al. (2013) A systematic review of parenting interventions for traumatic brain injury: child and parent outcomes. The Journal of head trauma rehabilitation 28(5): 349-60                                                                                         | - Publication date<br>Systematic review with 8/8 studies published pre-2013. Therefore no studies were checked against protocol criteria.                                                                                                                                             |
| Castelli, Enrico, Beretta, Elena, De Tanti, Antonio et al. (2022) Robot-assisted rehabilitation for children with neurological disabilities: Results of the Italian consensus conference CICERONE. NeuroRehabilitation 51(4): 665-679                                                                                      | - Study design (CYP)<br>Narrative review.                                                                                                                                                                                                                                             |
| Choi, Eun Kyoung, Bae, Eunjeong, Jang, Mina et al. (2021) Transition programs for adolescents and young adults with spina bifida: A mixed-methods systematic review. Journal of Advanced Nursing 77(2): 608-621                                                                                                            | - Country<br>Systematic review with 8/8 of the included studies conducted in the US. Therefore no studies were checked against protocol criteria.                                                                                                                                     |

| Study                                                                                                                                                                                                                                                                                                                        | Reason for exclusion                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clasby, B., Hughes, N., Catroppa, C. et al. (2018) Community-based interventions for adolescents following traumatic brain injury: A systematic review. <i>NeuroRehabilitation</i> 42(3): 345-363                                                                                                                            | - Country<br>Systematic review with 14/17 of the included studies conducted in the US, 3/17 in Europe. European studies were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened.                     |
| Clasby, Betony, Hughes, Nathan, Clasby, Elizabeth et al. (2023) School-based interventions for children and adolescents following traumatic brain injury: A systematic review. <i>NeuroRehabilitation</i> 52(4): 539-568                                                                                                     | - Country<br>Systematic review with 16/19 of the included studies conducted in the US, 3/19 in Europe. European studies were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened.                     |
| Connell, Amy Coyle (2017) Concussions: Benefits of Academic Reentry Plans. <i>Journal of trauma nursing : the official journal of the Society of Trauma Nurses</i> 24(6): 358-364                                                                                                                                            | - Publication date<br>Systematic review with 3/8 studies published 2013 onwards, and 5/8 published pre-2013. Studies published 2013 onwards were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened. |
| Cuberos-Urbano, Gustavo, Caracuel, Alfonso, Valls-Serrano, Carlos et al. (2018) A pilot investigation of the potential for incorporating lifelog technology into executive function rehabilitation for enhanced transfer of self-regulation skills to everyday life. <i>Neuropsychological rehabilitation</i> 28(4): 589-601 | - Intervention<br>Intervention is 'lifelog technology', not an intervention to support participation in education or training.                                                                                                                                                        |
| Dax, Edwards, Morkunas et al. (2018) Evaluation of an Educational and Vocational Service for Adolescent and Young Adults with Cancer: A Retrospective Review. <i>Journal of Adolescent and Young Adult Oncology</i> ; 2021; vol. 10 (no. 1); 56-65                                                                           | - Population<br>Adolescents with cancer - only 10% of study population have brain tumours.                                                                                                                                                                                            |
| Dobney, Danielle M (2021) Exercise for concussion management in youth: Clinician use, evaluation, timing and safety. <i>Dissertation Abstracts International: Section B: The Sciences and Engineering</i> 82(9b): no-specified                                                                                               | - Outcomes<br>No relevant outcomes reported. Study reported post-concussion symptom score.                                                                                                                                                                                            |
| Donenberg, Jennifer Glenna, Feters, Linda, Johnson, Robert et al. (2019) The effects of locomotor training in children with spinal cord injury: A systematic review. <i>Developmental Neurorehabilitation</i> 22(4): 272-287                                                                                                 | - Study design (CYP)<br>Systematic review with 1/12 comparative studies and 11/12 non-comparative studies. Comparative study was checked against protocol criteria and was either not relevant or had been separately located by the literature search and screened.                  |
| Glendon, K, Desai, A, Blenkinsop, G et al. (2022) Recovery of symptoms, neurocognitive and vestibular-ocular-motor function and academic ability after sports-related concussion (SRC) in university-aged student-athletes: a systematic review. <i>Brain injury</i> 36(4): 455-468                                          | - Study design (CYP)<br>Narrative synthesis.                                                                                                                                                                                                                                          |
| Glinianaia, S.V., McLean, A., Moffat, M. et al. (2021) Academic achievement and needs of school-aged children born with selected congenital anomalies: A systematic review and meta-analysis. <i>Birth Defects Research</i> 113(20): 1431-1462                                                                               | - Population<br>Systematic review with 12/39 of the included studies in congenital heart disease, 14/39 studies in orofacial clefts, 3/39 studies in craniofacial congenital abnormalities, and 10/39 in chronic neurological disorders. Studies conducted in                         |



| Study                                                                                                                                                                                                                                                                   | Reason for exclusion                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                         | chronic neurological disorders were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened.                                                                                                                                                                                                           |
| Greenham, Mardee, Botchway, Edith, Knight, Sarah et al. (2022) Predictors of participation and quality of life following major traumatic injuries in childhood: a systematic review. <i>Disability and rehabilitation</i> 44(12): 2591-2607                             | - Study design (CYP)<br>Prognostic review.                                                                                                                                                                                                                                                                                                                                         |
| Holmes, A., Chen, Z., Yahng, L. et al. (2020) Return to Learn: Academic Effects of Concussion in High School and College Student-Athletes. <i>Frontiers in Pediatrics</i> 8: 57                                                                                         | - Study design (CYP)<br>Non-comparative study.                                                                                                                                                                                                                                                                                                                                     |
| Khan, F., Amatya, B., Ng, L. et al. (2013) Multi-disciplinary rehabilitation after primary brain tumour treatment. <i>Cochrane Database of Systematic Reviews</i> 2013(1): cd009509                                                                                     | - Outcomes<br>Systematic review reporting no relevant outcomes. Systematic review reported functional independence measure; depression anxiety stress scale; cancer rehabilitation evaluation system-short form; perceived impact of problem profile.                                                                                                                              |
| Knutti, Katri, Bjorklund Carlstedt, Anita, Clasen, Rieke et al. (2022) Impacts of goal setting on engagement and rehabilitation outcomes following acquired brain injury: a systematic review of reviews. <i>Disability and rehabilitation</i> 44(12): 2581-2590        | - Population<br>Systematic review including participants who are in protocol (2/4 people with chronic neurological disorders) and out of protocol (2/4 adults with stroke). Studies including people with chronic neurological disorders were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened. |
| Leaviss, Joanna, Davis, Sarah, Ren, Shijie et al. (2020) Behavioural modification interventions for medically unexplained symptoms in primary care: systematic reviews and economic evaluation. <i>Health technology assessment (Winchester, England)</i> 24(46): 1-490 | - Outcomes<br>No relevant outcomes reported. Study reported physical symptoms, physical functioning and impact, emotional distress.                                                                                                                                                                                                                                                |
| Lee, Mary (2022) Academic achievement in surgically-treated hydrocephalus: A meta-analysis. <i>Dissertation Abstracts International: Section B: The Sciences and Engineering</i> 83(2b): no-specified                                                                   | - Study design (CYP)<br>Prognostic review.                                                                                                                                                                                                                                                                                                                                         |
| Linden, Mark A; Glang, Ann E; McKinlay, Audrey (2018) A systematic review and meta-analysis of educational interventions for children and adolescents with acquired brain injury. <i>NeuroRehabilitation</i> 42(3): 311-323                                             | - Publication date<br>Systematic review with 4/4 studies published pre-2013. Therefore no studies were checked against protocol criteria.                                                                                                                                                                                                                                          |
| Lindsay, Sally, Hartman, Laura R, Reed, Nick et al. (2015) A Systematic Review of Hospital-to-School Reintegration Interventions for Children and Youth with Acquired Brain Injury. <i>PloS one</i> 10(4): e0124679                                                     | - Publication date<br>Systematic review with 17/17 studies published pre-2013. Therefore no studies were checked against protocol criteria.                                                                                                                                                                                                                                        |
| Lindsay, Sally, Kingsnorth, Shauna, Mcdougall, Carolyn et al. (2014) A systematic review of self-management interventions for children and youth with physical disabilities. <i>Disability and rehabilitation</i> 36(4): 276-88                                         | - Publication date<br>Systematic review with 6/6 studies published pre-2013. Therefore no studies were checked against protocol criteria.                                                                                                                                                                                                                                          |
| Ma, Zechen, Dhir, Priya, Perrier, Laure et al. (2020) The Impact of Vocational Interventions on Vocational Outcomes, Quality of Life, and Community Integration in Adults with Childhood                                                                                | - Publication date<br>Systematic review with 10/17 studies published 2013 onwards, and 7/17 published pre-2013. Study published 2013 onwards was checked                                                                                                                                                                                                                           |

| Study                                                                                                                                                                                                                                                                                                                                                                                           | Reason for exclusion                                                                                                                                                                                                                                              |
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| Onset Disabilities: A Systematic Review. Journal of occupational rehabilitation 30(1): 1-21                                                                                                                                                                                                                                                                                                     | against protocol criteria and was either not relevant or had been separately located by the literature search and screened.                                                                                                                                       |
| McAnuff, Jennifer, Gibson, Jenny L, Webster, Rob et al. (2023) School-based allied health interventions for children and young people affected by neurodisability: A systematic evidence map. Disability and Rehabilitation: An International, Multidisciplinary Journal 45(7): 1239-1257                                                                                                       | - Study design (CYP)<br>Systematic evidence map (narrative summary of evidence).                                                                                                                                                                                  |
| Mendes, L, Reis, L, Barbosa, F et al. (2021) Effectiveness of a holistic neuropsychological rehabilitation program using virtual reality. PsychTech & Health Journal 5(1): 20-41                                                                                                                                                                                                                | - Outcomes<br>No relevant outcomes reported. Study reported cognition; depression and anxiety; quality of life.                                                                                                                                                   |
| Pei, Yalian; Kemp, Amy M; O'Brien, Katy H (2023) Investigating the Student in Returning to Learn After Concussion: A Systematic Review and Meta-Analysis. The Journal of school health 93(7): 594-620                                                                                                                                                                                           | - Study design (CYP)<br>Systematic review with 47/47 non-comparative studies. Therefore no studies were checked against protocol criteria.                                                                                                                        |
| Peterson, Rachel K, Longo, Carmelinda, Cunningham, Todd et al. (2022) Impact of home-based cognitive or academic intervention on working memory and mathematics outcomes in pediatric brain tumor survivors: the Keys to Succeed pilot randomized controlled clinical trial. Child neuropsychology : a journal on normal and abnormal development in childhood and adolescence 28(8): 1116-1140 | - Outcomes<br>No relevant outcomes reported. Study reported digit span backward; letter numbering sequencing; verbal working memory; symbolic working memory; applied problems; quantitative concepts; calculation; math fluency.                                 |
| Pimentel-Ponce, M, Romero-Galisteo, R P, Palomo-Carrion, R et al. (2021) Gamification and neurological motor rehabilitation in children and adolescents: A systematic review. Neurologia (Barcelona, Spain)                                                                                                                                                                                     | - Language<br>Article in Spanish.                                                                                                                                                                                                                                 |
| Purcell, Laura K; Davis, Gavin A; Gioia, Gerard A (2019) What factors must be considered in 'return to school' following concussion and what strategies or accommodations should be followed? A systematic review. British journal of sports medicine 53(4): 250                                                                                                                                | - Country<br>Systematic review with 10/17 of the included studies conducted in the US, 7/17 in Europe. European studies were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened. |
| Putukian, Margot, Purcell, Laura, Schneider, Kathryn J et al. (2023) Clinical recovery from concussion-return to school and sport: a systematic review and meta-analysis. British journal of sports medicine 57(12): 798-809                                                                                                                                                                    | - Study design (CYP)<br>Prognostic study.                                                                                                                                                                                                                         |
| Recla, Monica, Molteni, Erika, Manfredi, Valentina et al. (2020) Feasibility Randomized Trial for an Intensive Memory-Focused Training Program for School-Aged Children with Acquired Brain Injury. Brain sciences 10(7)                                                                                                                                                                        | - Intervention<br>Intervention is memory focused training programme, not an intervention to support participation in education or training.                                                                                                                       |
| Renaud, I, Lambregts, S, Van De Port, I et al. (2016) Activities and participation in children and adolescents after mild traumatic brain injury and the effectiveness of an early intervention: design of the Brains Ahead! Study. The eleventh world congress on brain injury - the hague, netherlands: 543-543                                                                               | - Publication type<br>Protocol.                                                                                                                                                                                                                                   |
| Renaud, M Irene, Klees, Carina, van Haastregt, Jolanda Cm et al. (2020) Process evaluation of                                                                                                                                                                                                                                                                                                   | - Study design (CYP)<br>Non-comparative study.                                                                                                                                                                                                                    |

| Study                                                                                                                                                                                                                                                                                                         | Reason for exclusion                                                                                                                                                                                                                                                                 |
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| 'Brains Ahead!': an intervention for children and adolescents with mild traumatic brain injury within a randomized controlled trial. Clinical rehabilitation 34(5): 688-697                                                                                                                                   |                                                                                                                                                                                                                                                                                      |
| Renaud, M Irene, van de Port, Ingrid G L, Catsman-Berrevoets, Coriene E et al. (2020) Effectiveness of the Brains Ahead! Intervention: 6 Months Results of a Randomized Controlled Trial in School-Aged Children With Mild Traumatic Brain Injury. The Journal of head trauma rehabilitation 35(6): e490-e500 | - Population<br>Participants' condition does not meet the guideline's definition of chronic (3 months since diagnosis or injury). Intervention started 2-4 weeks post injury.                                                                                                        |
| Roostaei, Meysam, Dalvand, Hamid, Rassafiani, Mehdi et al. (2022) Cognitive orientation to daily occupational performance (CO-OP) in children with cerebral palsy: A systematic review with meta-analysis. Canadian Journal of Occupational Therapy / Revue Canadienne D'Ergotherapie 89(1): 72-91            | - Population<br>Cerebral palsy in children. Not relevant according to protocol population criteria.                                                                                                                                                                                  |
| Saxena, Shikha, Mitchell, Jacob, Ehsan, Anahita et al. (2020) Online peer mentorship programmes for children and adolescents with neurodevelopmental disabilities: A systematic review. Child: care, health and development 46(1): 132-148                                                                    | - Study design (CYP)<br>Systematic review with 1/11 comparative studies and 10/11 non-comparative studies. Comparative study was checked against protocol criteria and was either not relevant or had been separately located by the literature search and screened.                 |
| Schnell-Inderst, Petra, Conrads-Frank, Annette, Stojkov, Igor et al. (2023) Occupational therapy for persons with cognitive impairments. German medical science : GMS e-journal 21: doc02                                                                                                                     | - Intervention<br>Cognitive intervention, not an intervention to support participation in education or training.                                                                                                                                                                     |
| Seguin, Marilou, Lahaie, Annie, Matte-Gagne, Celia et al. (2018) Ready! Set? Let's Train!: Feasibility of an intensive attention training program and its beneficial effect after childhood traumatic brain injury. Annals of physical and rehabilitation medicine 61(4): 189-196                             | - Intervention<br>Cognitive intervention, not an intervention to support participation in education or training.                                                                                                                                                                     |
| Shaw, Dorothy R (2016) A systematic review of pediatric cognitive rehabilitation in the elementary and middle school systems. NeuroRehabilitation 39(1): 119-23                                                                                                                                               | - Publication date<br>Systematic review with 1/15 studies published 2013 onwards, and 14/15 published pre-2013. Study published 2013 onwards was checked against protocol criteria and was either not relevant or had been separately located by the literature search and screened. |
| Shen, Jiabin, Johnson, Sarah, Chen, Cheng et al. (2020) Virtual Reality for Pediatric Traumatic Brain Injury Rehabilitation: A Systematic Review. American journal of lifestyle medicine 14(1): 6-15                                                                                                          | - Outcomes<br>No relevant outcomes reported. Study reports physical functions and motor ability in daily life.                                                                                                                                                                       |
| Sigafoos, Jeff, O'Reilly, Mark F, Ledbetter-Cho, Katherine et al. (2019) Addressing sequelae of developmental regression associated with developmental disabilities: A systematic review of behavioral and educational intervention studies. Neuroscience and biobehavioral reviews 96: 56-71                 | - Study design (CYP)<br>Systematic review with 13/38 comparative studies and 25/38 non-comparative studies. Comparative studies were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened.            |
| Smithson, Emilie F, Phillips, Robert, Harvey, David W et al. (2013) The use of stimulant medication to improve neurocognitive and learning outcomes in children diagnosed with brain tumours:                                                                                                                 | - Publication date<br>Systematic review with 7/7 studies published pre-2013. Therefore no studies were checked against protocol criteria.                                                                                                                                            |

| Study                                                                                                                                                                                                                                                                                                                                                       | Reason for exclusion                                                                                                                                                                                                                                             |
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| a systematic review. European journal of cancer (Oxford, England : 1990) 49(14): 3029-40                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                  |
| Stanuszek, Agnieszka, Milczarek, Olga, Rubinkiewicz, Mateusz et al. (2021) Return to play after brain tumor surgery in children. Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery 37(3): 863-869                                                                                                    | - Study design (CYP)<br>Non-comparative study.                                                                                                                                                                                                                   |
| Takagi-Stewart, Julian, Johnson, Ashleigh M, Smith, Mallory B et al. (2022) Physician recommended school accommodations and student outcomes following a mild traumatic brain injury among youth with persistent post-concussive symptoms. NeuroRehabilitation 50(4): 467-476                                                                               | - Country<br>Study conducted in the US.                                                                                                                                                                                                                          |
| Tarconish, E., Lombardi, A., Madaus, J. et al. (2021) Available supports and resources for postsecondary students with traumatic brain injury: A systematic review of the literature. Journal of Vocational Rehabilitation 55(1): 15-26                                                                                                                     | - Study design (CYP)<br>Narrative review.                                                                                                                                                                                                                        |
| Teel, Elizabeth, Brossard-Racine, Marie, Corbin-Berrigan, Laurie-Ann et al. (2021) Perceptual Cognitive Training Does Not Improve Clinical Outcomes at 4 and 12 Weeks Following Concussion in Children and Adolescents: A Randomized Controlled Trial. The Journal of head trauma rehabilitation 36(2): e97-e107                                            | - Outcomes<br>No relevant outcomes reported. Study reports post-concussion symptoms.                                                                                                                                                                             |
| Tesoro, Andrew (2019) Examining the comprehensiveness of psychological services provided to students with cancer upon school reentry. Dissertation Abstracts International: Section B: The Sciences and Engineering 80(6be): no-specified                                                                                                                   | - Country<br>Study conducted in the US.                                                                                                                                                                                                                          |
| Thomas, Roger E, Alves, Jorge, Vaska Mlis, Marcus M et al. (2017) Therapy and rehabilitation of mild brain injury/concussion: Systematic review. Restorative neurology and neuroscience 35(6): 643-666                                                                                                                                                      | - Country<br>Systematic review with 5/14 of the included studies conducted in the US, 9/14 in Europe. European studies were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened. |
| Trexler, Lance E; Parrott, Devan R; Malec, James F (2016) Replication of a Prospective Randomized Controlled Trial of Resource Facilitation to Improve Return to Work and School After Brain Injury. Archives of physical medicine and rehabilitation 97(2): 204-10                                                                                         | - Country<br>Study conducted in the US.                                                                                                                                                                                                                          |
| Triegaardt, Joseph, Han, Thang S, Sada, Charif et al. (2020) The role of virtual reality on outcomes in rehabilitation of Parkinson's disease: meta-analysis and systematic review in 1031 participants. Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology 41(3): 529-536 | - Outcomes<br>No relevant outcomes reported. Study reports gait, stride length, balance, global motor function, activities of daily life, quality of life and cognitive function.                                                                                |
| Tripette, J., Murakami, H., Ryan, K.R. et al. (2017) The contribution of Nintendo Wii Fit series in the field of health: A systematic review and meta-analysis. PeerJ 2017(9): e3600                                                                                                                                                                        | - Population<br>Systematic review including participants out of protocol (healthy children and young people, overweight children and young people, children with developmental delay, children with                                                              |

| Study                                                                                                                                                                                                                                                                                                                                                                               | Reason for exclusion                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                     | migraine, children with Reynaud's disease, children with cystic fibrosis, children with cerebral palsy, children with autism spectrum disorder). Therefore no studies were checked against protocol criteria.                                                                                                                                                                                                                 |
| van de Wouw, C L, Visser, M, Gorter, J W et al. (2023) Systematic review of the effectiveness of innovative, gamified interventions for cognitive training in paediatric acquired brain injury. Neuropsychological rehabilitation: 1-32                                                                                                                                             | - Outcomes:<br>No relevant outcomes reported. Study reports cognitive function.                                                                                                                                                                                                                                                                                                                                               |
| Velani, Hemma and Gledhill, Julia (2021) The effectiveness of psychological interventions for children and adolescents with non-epileptic seizures. Seizure 93: 20-31                                                                                                                                                                                                               | - Intervention<br>Psychological interventions to reduce non-epileptic seizures, not an intervention to support participation in education or training.                                                                                                                                                                                                                                                                        |
| Voinescu, Alexandra; Sui, Jie; Stanton Fraser, Danae (2021) Virtual Reality in Neurorehabilitation: An Umbrella Review of Meta-Analyses. Journal of clinical medicine 10(7)                                                                                                                                                                                                         | - Population<br>Systematic review including participants who are in protocol (1/41 in people with chronic neurological disorders) and out of protocol (34/41 adults with stroke and 6/41 in children with cerebral palsy). Study including people with chronic neurological disorders was checked against protocol criteria and was either not relevant or had been separately located by the literature search and screened. |
| Wade, SL, Taylor, HG, Yeates, KO et al. (2018) Online Problem Solving for Adolescent Brain Injury: a Randomized Trial of 2 Approaches. Journal of developmental and behavioral pediatrics 39(2): 154-162                                                                                                                                                                            | - Outcomes<br>No relevant outcomes reported. Study reports Child Behaviour Checklist (externalising problems); Youth Self Report-externalising problems; BRIEF-GEF + BRIEF-SF.                                                                                                                                                                                                                                                |
| Wallen, Margaret and Majnemer, Annette (2014) No differences were observed between six months of context- versus child-focussed intervention for young children with cerebral palsy on self-care, mobility, range-of-motion or participation. Australian Occupational Therapy Journal 61(2): 126-127                                                                                | - Population<br>Cerebral palsy in children. Not relevant according to protocol population criteria.                                                                                                                                                                                                                                                                                                                           |
| Wang, S.-Y., Lee, W.-T., Shieh, J.-Y. et al. (2022) Multidimensional Development and Adaptive Behavioral Functioning in Younger and Older Children With Rett Syndrome. Physical therapy 102(4)                                                                                                                                                                                      | - Country<br>Study conducted in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                       |
| Wheeler, Steven; Acord-Vira, Amanda; Davis, Diana (2016) Effectiveness of Interventions to Improve Occupational Performance for People With Psychosocial, Behavioral, and Emotional Impairments After Brain Injury: A Systematic Review. The American journal of occupational therapy : official publication of the American Occupational Therapy Association 70(3): 7003180060p1-9 | - Intervention<br>Systematic review with 35/35 of the included studies investigating non-protocol interventions, not interventions designed to improve or support education or training. Therefore no studies checked against protocol.                                                                                                                                                                                       |
| Wheeler, Steven, Davis, Diana, Basch, Jamie et al. (2022) Education and Skills Training Interventions for Adults With Traumatic Brain Injury (TBI) (Dates of Review: 2013-2020). The American journal of occupational therapy : official publication of the American Occupational Therapy Association 76(suppl2)                                                                    | - Country<br>Systematic review with 5/7 of the included studies conducted in the US, 2/7 in Europe. European studies were checked against protocol criteria and were either not relevant or had been separately located by the literature search and screened.                                                                                                                                                                |



| Study                                                                                                                                                                                                                                                                                                                         | Reason for exclusion                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Xu, Gang, Hao, Fuchun, Zhao, Weiwei et al. (2022) The influential factors and non-pharmacological interventions of cognitive impairment in children with ischemic stroke. <i>Frontiers in neurology</i> 13: 1072388                                                                                                           | - Study design (CYP)<br>Narrative review.                                                                 |
| Yu, Chih-Huang and Mathiowetz, Virgil (2014) Systematic review of occupational therapy-related interventions for people with multiple sclerosis: part 1. Activity and participation. <i>The American journal of occupational therapy : official publication of the American Occupational Therapy Association</i> 68(1): 27-32 | - Study design (adults)<br>Narrative review.                                                              |
| Yu, Chih-Huang and Mathiowetz, Virgil (2014) Systematic review of occupational therapy-related interventions for people with multiple sclerosis: part 2. Impairment. <i>The American journal of occupational therapy: official publication of the American Occupational Therapy Association</i> 68(1): 33-8                   | - Intervention<br>Occupational therapy not targeted at supporting participation in education or training. |

### Excluded economic studies

See Supplement 2 for the list of excluded studies across all reviews.

## **Appendix K    Research recommendations – full details**

**Research recommendations for review question: What is the effectiveness of interventions or approaches for supporting people to enter, remain in, return to or leave education and training?**

No research recommendations were made for this review question.