Supplemental File 1 - Search Conversions to PubMed

An initial translation was done through the Polyglot search translator (<http://crebp-sra.com/#/polyglot>).

Where more than one subheading was attached to a Mesh term, the term was repeated with each subheading, see <https://www.nlm.nih.gov/bsd/disted/pubmedtutorial/020_730.htm>

## Example: Vitamin D Deficiency/dh,dt becomes "Vitamin D Deficiency/diet therapy"[Mesh] OR "Vitamin D Deficiency/drug therapy"[Mesh]

## Field indicators were placed after every term. Example: [tiab] was placed after each text term, [pt] after each publication type term, and summary brackets were removed

Adjacency sets were expanded and turned into phrases or connected with Boolean AND, as seemed appropriate.  Example (from the Concussion Education search):

((mild OR minor OR minimal) ADJ (traumatic brain OR tbi)).tw,kf. was expanded to  Mild traumatic brain [tiab] OR mild tbi[tiab] OR minor traumatic brain[tiab] OR minor tbi[tiab] OR minimal traumatic brain[tiab] OR minimal tbi [tiab]

And (identif\* ADJ2 symptom\*[tiab]) became (symptom identification OR identify symptoms)[tiab]

All .kf. tags were removed

All .rn. tags were changed to [rn]

The edited search was pasted into Polyglot again, for adjustment of brackets and quotation marks.

Each segment was pasted into PubMed after edits to determine if retrieval size was similar to the retrieval size of the segment in Ovid MEDLINE and to note any error messages. In case of discrepancy or error, the segment was reviewed and edited further.

Line numbers added manually.

Limits were applied after the search was run.

Remove duplicates commands were ignored.

Search histories were saved.

This protocol and the search strategies are available through the Open Science Framework at  <https://osf.io/zu3ng/>.