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## Supplementary material 1. Search strategy for systematic review

The literature search strategy for the systematic review in order to assess the outcome of the burden of pediatric postintensive care syndrome (PICS-p) in all 4 domains (physical, cognitive, mental, and social health) using different evaluating tools is being outlined as follows. Articles were included from inception to current. Only English-language articles were included for analysis. All searches were conducted in July 2020.

The following databases were searched

1. MEDLINE
2. PUBMED

Databases were searched for types of review as follows:

1. Retrospective cohort
2. Prospective cohort
3. Database review
4. Systematic review
5. Review articles

The following types of reviews were excluded from analysis:

1. Letters
2. Commentaries
3. Editorials
4. Guidelines
5. Proceedings
6. Conference abstracts
7. Case reports

Controlled search terms according to Medical Subject Headings were used in combination with the specific search terms concerning the outcomes as follows:

**Medical subject headings**

1. Pediatric intensive care (OR) pediatric critical care
2. Critical illness (OR) Critical care (AND) children (OR) Pediatric
3. Post traumatic stress disorder
4. Cognitive impairment

**Specific search terms**

1. Pediatric critical illness survivors (OR) pediatric critical care survivors (OR) chidren critical illness (OR) Children critical care survivors
2. Pediatric postintensive care syndrome (OR) pediatric post-ICU syndrome
3. Physical impairment (OR) muscle weakness (OR) physical health
4. Sleep dysfunction (OR) sleep impairment (OR) sleep problems
5. Mental impairment
6. Cognitive impairment (OR) cognitive decline
7. Social impairment (OR) family burdens (OR) family problems
8. Posttraumatic stress disorder (OR) PTSD

The authors also took into account of synonyms, abbreviation, plurals of the search terms in order for the completeness of the data search. Synonyms such as decline, worsening, problems, or impacts were used interchangeably during search for impairments

**Synthesis of evidence**

**Physical and functional impairments**

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**Cognitive impairment**

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**Mental impairment**

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**Social impairment**

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