

## Definitions and operationalizations of pediatric chronic patients: A scoping review

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## Online Resource 3. Search strategy

### MEDLINE

| # | Searches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Results |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1 | (exp Child/ or Adolescent/ or exp Infant/) and *Chronic Disease/cl, ep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1163    |
| 2 | (Intensive Care Units, Pediatric/ or (PICU or PICUs).ti,ab,kf.) and (Critical Illness/ or Critical Care/ or critical*.ti,ab,kf.) and (Chronic Disease/ or chronic*.ti,ab,kf.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 255     |
| 3 | ((child* or pediatric* or paediatric* or youth* or adolescen* or infan*) adj3 ("medical complexit*" or "complex care need*" or "complex need*" or "profound need*" or "multiple complex need*" or "multiple intellectual disabilit*" or "complex chronic condition*" or "complex chronic disease*" or "complex medical condition*" or "complex healthcare need*" or "complex health care need*" or "complex health condition*" or "complex medical care need*" or "complex medical need*" or "special healthcare need*" or "special health care need*" or "medically complex" or "medically fragile" or "technology dependen*" or "catastrophic medical complexit*" or "severe medical | 3817    |

|    |                                                                                                                                                                                                                                                                 |         |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|    | condition*" or "life limiting condition*" or "integrated care need*" or "multisystem complexit*" or "medical complex*" or "complex learning difficult*" or "complex learning disabilit*" or "chronic critical ill*" or "chronic health condition*"))).ti,ab,kf. |         |
| 4  | ("profound intellectual and multiple disabilit*" or "profound and multiple intellectual disabilit*" or "complex and integrated care need*" or CYSHCN or CSHCN).ti,ab,kf.                                                                                        | 719     |
| 5  | (child* and "complex chronic condition*").ti,ab,kf.                                                                                                                                                                                                             | 434     |
| 6  | 1 or 2 or 3 or 4 or 5                                                                                                                                                                                                                                           | 5476    |
| 7  | limit 6 to yr="1998 -Current"                                                                                                                                                                                                                                   | 5116    |
| 8  | editorial/ or letter/ or published erratum/ or (letter or comment* or editorial).ti.                                                                                                                                                                            | 2120343 |
| 9  | 7 not 8                                                                                                                                                                                                                                                         | 5002    |
| 10 | Adult/ not (exp Child/ or Adolescent/ or exp Infant/)                                                                                                                                                                                                           | 3712307 |
| 11 | 9 not 10                                                                                                                                                                                                                                                        | 4950    |

#### EMBASE

| #  | Searches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Results |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1  | (child health/ or exp child/ or exp adolescent/ or exp infant/) and (*chronic disease/ or multiple chronic conditions/) and (disease classification/ or epidemiology.fs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 725     |
| 2  | (pediatric intensive care unit/ or (PICU or PICUs).ti,ab,kf.) and (critical illness/ or intensive care/ or critical*.ti,ab,kf.) and (exp chronic disease/ or chronic*.ti,ab,kf.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 611     |
| 3  | ((child* or pediatric* or paediatric* or youth* or adolescen* or infan*) adj3 ("medical complexit*" or "complex care need*" or "complex need*" or "profound need*" or "multiple complex need*" or "multiple intellectual disabilit*" or "complex chronic condition*" or "complex chronic disease*" or "complex medical condition*" or "complex healthcare need*" or "complex health care need*" or "complex health condition*" or "complex medical care need*" or "complex medical need*" or "special healthcare need*" or "special health care need*" or "medically complex" or "medically fragile" or "technology dependen*" or "catastrophic medical complexit*" or "severe medical condition*" or "life limiting condition*" or "integrated care need*" or "multisystem complexit*" or "medical complex*" or "complex learning difficult*" or "complex learning disabilit*" or "chronic critical ill*" or "chronic health condition*"))).ti,ab,kf. | 5142    |
| 4  | ("profound intellectual and multiple disabilit*" or "profound and multiple intellectual disabilit*" or "complex and integrated care need*" or CYSHCN or CSHCN).ti,ab,kf.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 909     |
| 5  | (child* and "complex chronic condition*").ti,ab,kf.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 660     |
| 6  | 1 or 2 or 3 or 4 or 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6899    |
| 7  | limit 6 to yr="1998 -Current"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6583    |
| 8  | letter/ or editorial/ or note/ or (letter or comment* or editorial).ti.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2943473 |
| 9  | 7 not 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6415    |
| 10 | adult/ not (exp child/ or exp adolescent/ or exp infant/)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8062399 |
| 11 | 9 not 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6247    |

#### PsycINFO

| # | Searches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Results |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1 | ((child* or pediatric* or paediatric* or youth* or adolescen* or infan*) adj3 ("medical complexit*" or "complex care need*" or "complex need*" or "profound need*" or "multiple complex need*" or "multiple intellectual disabilit*" or "complex chronic condition*" or "complex chronic disease*" or "complex medical condition*" or "complex healthcare need*" or "complex health care need*" or "complex health condition*" or "complex medical care need*" or "complex medical need*" or "special healthcare need*" or "special health care need*" or "medically complex" or "medically fragile" or "technology dependen*" or "catastrophic medical complexit*" or "severe medical condition*" or "life limiting condition*" or "integrated care need*" or "multisystem complexit*" or "medical complex*" or "complex learning difficult*" or "complex learning disabilit*" or "chronic critical ill*" or "chronic health condition*")).ti,ab,id. | 1636    |
| 2 | ("profound intellectual and multiple disabilit*" or "profound and multiple intellectual disabilit*" or "complex and integrated care need*" or CYSHCN or CSHCN).ti,ab,id.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 497     |
| 3 | (child* and "complex chronic condition*").ti,ab,id.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 64      |
| 4 | pediatrics/ and chronic illness/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 602     |
| 5 | chronically ill children/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 453     |
| 6 | 1 or 2 or 3 or 4 or 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2794    |
| 7 | limit 6 to yr="1998 -Current"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2496    |
| 8 | (letter or comment* or editorial).ti.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 54997   |
| 9 | 7 not 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2468    |

Cochrane Library

| # | Searches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Results |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1 | ((child* or pediatric* or paediatric* or youth* or adolescen* or infan*) NEAR/3 ("medical complexit*" or "complex care need*" or "complex need*" or "profound need*" or "multiple complex need*" or "multiple intellectual disabilit*" or "complex chronic condition*" or "complex chronic disease*" or "complex medical condition*" or "complex healthcare need*" or "complex health care need*" or "complex health condition*" or "complex medical care need*" or "complex medical need*" or "special healthcare need*" or "special health care need*" or "medically complex" or "medically fragile" or "technology dependen*" or "catastrophic medical complexit*" or "severe medical condition*" or "life limiting condition*" or "integrated care need*" or "multisystem complexit*" or "medical complex*" or "complex learning difficult*" or "complex learning disabilit*" or "chronic critical ill*" or "chronic health condition*")).ti,ab,kw | 45      |
| 2 | (profound and (multiple disabilit* OR intellectual disabilit*)):ti,ab,kw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 96      |
| 3 | (complex and integrated care need*):ti,ab,kw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 247     |
| 4 | (child* and "complex chronic condition*"):ti,ab,kw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3       |
| 5 | (CYSHCN or CSHCN):ti,ab,kw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10      |

|   |                            |     |
|---|----------------------------|-----|
| 6 | #1 or #2 or #3 or #4 or #5 | 395 |
|---|----------------------------|-----|

CINAHL

| Searches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Results |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <p>(MM "Child, Medically Fragile")</p> <p>OR</p> <p>TI ( (child* or pediatric* or paediatric* or youth* or adolescen* or infan*) N3 ("medical complexit* " or "complex care need*" or "complex need*" or "profound need*" or "multiple complex need*" or "multiple intellectual disabilit*" or "complex chronic condition*" or "complex chronic disease*" or "complex medical condition*" or "complex healthcare need*" or "complex health care need*" or "complex health condition*" or "complex medical care need*" or "complex medical need*" or "special healthcare need*" or "special health care need*" or "medically complex" or "medically fragile" or "technology dependen*" or "catastrophic medical complexit*" or "severe medical condition*" or "life limiting condition*" or "integrated care need*" or "multisystem complexit*" or "medical complex*" or "complex learning difficult*" or "complex learning disabilit*" or "chronic critical ill*" or "chronic health condition*") ) OR AB ( (child* or pediatric* or paediatric* or youth* or adolescen* or infan*) N3 ("medical complexit* " or "complex care need*" or "complex need*" or "profound need*" or "multiple complex need*" or "multiple intellectual disabilit*" or "complex chronic condition*" or "complex chronic disease*" or "complex medical condition*" or "complex healthcare need*" or "complex health care need*" or "complex health condition*" or "complex medical care need*" or "complex medical need*" or "special healthcare need*" or "special health care need*" or "medically complex" or "medically fragile" or "technology dependen*" or "catastrophic medical complexit*" or "severe medical condition*" or "life limiting condition*" or "integrated care need*" or "multisystem complexit*" or "medical complex*" or "complex learning difficult*" or "complex learning disabilit*" or "chronic critical ill*" or "chronic health condition*") )</p> <p>OR</p> <p>TI ( "profound intellectual and multiple disabilit*" or "profound and multiple intellectual disabilit*" or "complex and integrated care need*" or CYSHCN or CSHCN ) OR AB ( "profound intellectual and multiple disabilit*" or "profound and multiple intellectual disabilit*" or "complex and integrated care need*" or CYSHCN or CSHCN)</p> <p>OR</p> <p>TI ( child* and "complex chronic condition*" ) OR AB ( child* and "complex chronic condition*" )</p> <p><b>NOT</b></p> <p>TI letter or comment* or editorial</p> <p><b>NOT</b></p> <p>(MH "Adult") NOT ( (MH "Child+") OR (MH "Adolescence+") OR (MH "Infant+") )</p> | 3944    |

