

Supplemental information 1a: systematic review search strategy

Embase

((('hospital readmission'/de OR (readmiss* OR reattend* OR rehospital* OR revisit* OR ((re OR second OR return* OR repeat* OR recur*) NEAR/3 (admiss* OR attend* OR visit* OR hospital* OR emergenc* OR present*)) OR (safe* NEAR/3 net*)):ab,ti) OR (('hospital discharge'/de OR (discharge* OR postdischarge*):ab,ti) AND ('evaluation and follow up'/de OR 'health care quality'/exp OR evaluation/de OR 'follow up'/de OR (evaluat* OR (follow* NEXT/1 up) OR followup):ab,ti))) AND ('emergency ward'/de OR 'emergency patient'/de OR 'emergency treatment'/de OR 'first aid'/de OR 'emergency care'/de OR 'emergency health service'/de OR 'emergency medicine'/de OR (emergen* OR 'first aid'):ab,ti) AND (child/exp OR newborn/exp OR adolescent/exp OR adolescence/exp OR 'child behavior'/de OR 'child parent relation'/de OR (adolescen* OR infan* OR newborn* OR (new NEXT/1 born*) OR baby OR babies OR neonat* OR child* OR kid OR kids OR toddler* OR teen* OR boy* OR girl* OR minors OR underag* OR (under NEXT/1 ag*) OR juvenil* OR youth* OR kindergar* OR puber* OR pubescen* OR prepubescen* OR prepubert* OR paediatric* OR paediatric* OR school* OR preschool* OR highschool*):ab,ti) AND (infection/exp OR fever/de OR dyspnea/exp OR gastroenteritis/de OR vomiting/de OR diarrhea/exp OR (infecti* OR virus* OR viral OR bacterial OR fever OR febril* OR dyspne* OR dyspnoe* OR gastroenterit* OR vomit* OR diarrh*):ab,ti)

Medline OvidSP

((("Patient Readmission"/ OR (readmiss* OR reattend* OR rehospital* OR revisit* OR ((re OR second OR return* OR repeat* OR recur*) ADJ3 (admiss* OR attend* OR visit* OR hospital* OR emergenc* OR present*)) OR (safe* ADJ3 net*)),ab,ti.) OR (("Patient Discharge"/ OR (discharge* OR postdischarge*).ab,ti.) AND ("Program Evaluation"/ OR Evaluation Studies.pt. OR exp "Quality of Health Care"/ OR "Follow-Up Studies"/ OR (evaluat* OR (follow* ADJ up) OR followup).ab,ti.))) AND ("Emergency Service, Hospital"/ OR "Emergency Medical Services"/ OR "emergency treatment"/ OR "emergency medicine"/ OR "first aid"/ OR (emergen* OR "first aid").ab,ti.) AND (exp child/ OR exp infant/ OR adolescent/ OR exp "child behavior"/ OR exp "Parent-Child Relations"/ OR (adolescen* OR infan* OR newborn* OR (new ADJ born*) OR baby OR babies OR neonat* OR child* OR kid OR kids OR toddler* OR teen* OR boy* OR girl* OR minors OR underag* OR (under ADJ ag*) OR juvenil* OR youth* OR kindergar* OR puber* OR pubescen* OR prepubescen* OR prepubert* OR paediatric* OR paediatric* OR school* OR preschool* OR highschool*).ab,ti.) AND (exp infection/ OR exp fever/ OR exp dyspnea/ OR gastroenteritis/ OR vomiting/ OR exp diarrhea/ OR (infecti* OR virus* OR viral OR bacterial OR fever OR febril* OR dyspne* OR dyspnoe* OR gastroenterit* OR vomit* OR diarrh*).ab,ti.)

Cochrane central

((readmiss* OR reattend* OR rehospital* OR revisit* OR ((re OR second OR return* OR repeat* OR recur*) NEAR/3 (admiss* OR attend* OR visit* OR hospital* OR emergenc* OR present*)) OR (safe* NEAR/3 net*)):ab,ti) OR (((discharge* OR postdischarge*):ab,ti) AND ((evaluat* OR (follow* NEXT/1 up) OR followup):ab,ti))) AND ((emergen* OR 'first aid'):ab,ti) AND ((adolescen* OR infan* OR newborn* OR (new NEXT/1 born*) OR baby OR babies OR neonat* OR child* OR kid OR kids OR toddler* OR teen* OR boy* OR girl* OR minors OR underag* OR (under NEXT/1 ag*) OR juvenil* OR youth* OR kindergar* OR puber* OR pubescen* OR prepubescen* OR prepubert* OR paediatric* OR paediatric* OR school* OR preschool* OR highschool*):ab,ti) AND ((infecti* OR virus* OR viral OR bacterial OR fever OR febril* OR dyspne* OR dyspnoe* OR gastroenterit* OR vomit* OR diarrh*):ab,ti)

Web-of-Science

TS=(((readmiss* OR reattend* OR rehospital* OR revisit* OR ((re OR second OR return* OR repeat* OR recur*) NEAR/3 (admiss* OR attend* OR visit* OR hospital* OR emergenc* OR present*)) OR (safe* NEAR/3 net*))) OR (((discharge* OR postdischarge*)) AND ((evaluat* OR (follow* NEXT/1 up) OR followup)))) AND ((emergen* OR "first aid")) AND ((adolescen* OR infan* OR newborn* OR (new NEXT/1 born*) OR baby OR babies OR neonat* OR child* OR kid OR kids OR toddler* OR teen* OR boy* OR girl* OR minors OR underag* OR under age* OR juvenil* OR youth* OR kindergar* OR puber* OR pubescen* OR prepubescen* OR prepubert* OR paediatric* OR paediatric* OR school* OR preschool* OR highschool*)) AND ((infecti* OR virus* OR viral OR bacterial OR fever OR febril* OR dyspne* OR dyspnoe* OR gastroenterit* OR vomit* OR diarrh*))

PubMed as publisher

((readmiss*[tiab] OR reattend*[tiab] OR rehospital*[tiab] OR revisit*[tiab] OR ((re[tiab] OR second[tiab] OR return*[tiab] OR repeat*[tiab] OR recur*[tiab]) AND (admiss*[tiab] OR attend*[tiab] OR visit*[tiab] OR hospital*[tiab] OR emergenc*[tiab] OR present*[tiab])) OR safety net*[tiab])) OR (((discharge*[tiab] OR postdischarge*[tiab])) AND ((evaluat*[tiab] OR follow up[tiab] OR followup[tiab]))) AND ((emergen*[tiab] OR first aid[tiab])) AND ((adolescen*[tiab] OR infan*[tiab] OR newborn*[tiab] OR new born*[tiab] OR baby[tiab] OR babies[tiab] OR neonat*[tiab] OR child*[tiab] OR kid[tiab] OR kids[tiab] OR toddler*[tiab] OR teen*[tiab] OR boy*[tiab] OR girl*[tiab] OR minors[tiab] OR underag*[tiab] OR under ag*[tiab] OR juvenil*[tiab] OR youth*[tiab] OR kindergar*[tiab] OR puber*[tiab] OR pubescen*[tiab] OR prepubescen*[tiab] OR prepubert*[tiab] OR paediatric*[tiab] OR paediatric*[tiab] OR school*[tiab] OR preschool*[tiab] OR highschool*[tiab])) AND ((infection*[tiab] OR infectious*[tiab] OR virus*[tiab] OR viral OR bacterial OR fever OR febril*[tiab] OR dyspne*[tiab] OR dyspnoe*[tiab] OR gastroenterit*[tiab] OR vomit*[tiab] OR diarrh*[tiab])) AND publisher[sb]

CINAHL

((MH "Readmission"+ OR (readmiss* OR reattend* OR rehospital* OR revisit* OR ((re OR second OR return* OR repeat* OR recur*) N3 (admiss* OR attend* OR visit* OR hospital* OR emergenc* OR present*)) OR (safe* N3 net*))) OR ((MH "Patient Discharge"+ OR (discharge* OR postdischarge*)) AND (MH "Program Evaluation"+ OR MH "Quality of Health Care"+ OR MH "Prospective Studies"+ OR (evaluat* OR (follow* N up) OR followup)))) AND (MH "Emergency Service "+ OR MH "Emergency Treatment (Non-Cinahl)" + OR MH "emergency medicine"+ OR (emergen* OR "first aid")) AND (MH child+ OR MH infant+ OR adolescent+ OR MH "child behavior"+ OR MH "Parent-Child Relations"+ OR (adolescen* OR infan* OR newborn* OR (new N born*) OR baby OR babies OR neonat* OR child* OR kid OR kids OR toddler* OR teen* OR boy* OR girl* OR minors OR underag* OR (under N ag*) OR juvenil* OR youth* OR kindergar* OR puber* OR pubescen* OR prepubescen* OR prepubert* OR paediatric* OR paediatric* OR school* OR preschool* OR highschool*)) AND (MH infection+ OR MH fever+ OR MH dyspnea+ OR MH gastroenteritis OR MH vomiting+ OR MH diarrhea+ OR (infecti* OR virus* OR viral OR bacterial OR fever OR febril* OR dyspne* OR dyspnoe* OR gastroenterit* OR vomit* OR diarrh*))

Google Scholar

(readmission|reattendance|rehospitalization|"safety (netting|net)") (emergency|"first aid")
(child|newborn|adolescent|adolescence|baby|babies|neonates|children)
(infection|fever|dyspnea|gastroenteritis|vomiting|diarrhea|virus|virussus|viral|bacterial)

Supplemental information 1b: number of articles per database

Database	Number of articles	Number of articles after deleting duplicates
Embase	1842	1835
Medline OvidSP	1268	425
Web-of-Science	538	131
CINAHL	199	25
Cochrane central	54	3
PubMed as publisher	28	23
Google Scholar	200	162
	4129	2604