



Appendix to report

Traumatic shaking – a
systematic review, report no
255E

Cinahl via EBSCO 15 October 2015

Search terms	Items found
Population: infants	
1. (MH "Infant") OR (MH "Infant, High Risk") OR (MH "Infant, Hospitalized") OR (MH "Infant, Newborn") OR (MH "Infant, Large for Gestational Age") OR (MH "Infant, Low Birth Weight") OR (MH "Infant, Postmature") OR (MH "Infant, Premature") OR (MH "Infant, Small for Gestational Age") OR (MH "Infant, Very Low Birth Weight")	126,854
2. TI (baby OR babies OR infant OR infants OR infancy OR newborn OR new-born OR preterm* OR "Very young child*")	38,151
3. 1 OR 2	136,674
Population: persons with subdural hematoma/ retinal hemorrhage/ cerebral edema/ rib fractures or classic metaphyseal lesion	
4. (MH "Hematoma, Subdural") OR (MH "Hematoma, Subdural, Acute") OR (MH "Hematoma, Subdural, Chronic") OR MH "Eye Hemorrhage" OR (MH "Cerebral Edema") OR (MH "Fractures") OR (MH "Rib Fractures") OR (MH "Tibial Fractures")	11,428
5. ("subdural haemorrhage*" OR "subdural haematoma*" OR "subdural hematoma*" OR "retinal hemorrhage*" OR "intraocular bleeding*" OR "vitreous hemorrhage" OR "brain swelling" OR "cerebral oedema*" OR "cerebral edema*" OR "brain oedema*" OR "brain edema*" OR "Rib fracture*" OR "long bone fracture*" OR "Classic Metaphyseal Lesion" OR "metaphyseal fracture*" OR "metaphyseal chip fracture*" OR triad)	3,692
6. 4 OR 5	13,639
Cause of the injury: accidental/non-accidental	
7. (MH "Child Abuse") OR (MH "Diagnosis, Differential") OR (MH "Diagnostic Errors") OR (MH "Failure to Diagnose") OR (MH "Accidental Falls") OR (MH "Accidents, Home") OR (MH "Accidents, Traffic")	64,424
8. (Accident* OR unintentional OR nonaccident* OR non-accident* OR abus* OR inflicted OR noninflicted OR non-inflicted OR suspect* OR "differential diagnos*" OR misdiagnosed OR underdiagnosed OR presumptive OR probable OR intentional OR "odds of abuse")	121,639
9. 7 OR 8	152,779
Shaken baby	
10. MH "Shaken Baby Syndrome"	315
11. ("shaken baby" OR "children who are shaken" OR "shaken impact syndrome" OR "repetitive shaking" OR "Shaking-related" OR "Shaking infant trauma" OR "Infant head trauma" OR "shaken babies" OR "shaken child" OR "shaken children" OR "shaken impact syndrome" OR "shaken infant*" OR "manually inflicted shaking" OR "shaking baby" OR "Battered child syndrome" OR "infant head trauma" OR "Infant TBI" OR "Infant shaking" OR "Abusive head trauma" OR "Abusive head injur*" OR "inflicted traumatic brain injury")	455
12. 10 OR 11	455
Combined sets (infants with accidental/non-accidental head injuries OR Shaken baby syndrome)	
13. 6 AND 9	2,065
14. 12 OR 13	2,427
15. 3 AND 14	598
16. 15 AND Limiters - Peer Reviewed	517

The search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract

AU = Author

DE = Term from the thesaurus

MH = Term from the "Cinahl Headings" thesaurus

MM = Major Concept

TI = Title

TX = All Text. Performs a keyword search of all the database's searchable fields

ZC = Methodology Index

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

Search terms		Items found
Population: shaken baby syndrome		
1.	"Shaken Baby Syndrome"[MeSH]	6
2.	("shaken baby" OR "children who are shaken" OR "shaken impact syndrome" OR "repetitive shaking" OR "Shaking-related" OR "Shaking infant trauma" OR "Infant head trauma" OR "shaken babies" OR "shaken child" OR "shaken children" OR "shaken impact syndrome" OR "shaken infant" OR "shaken infants" OR "manually inflicted shaking" OR "shaking baby" OR "Battered child syndrome" OR "infant head trauma" OR "Infant TBI" OR "Infant shaking" OR "Abusive head trauma" OR "Abusive head injury" OR "abusive head injuries" OR "inflicted traumatic brain injury" OR "inflicted traumatic brain injuries"):ti,ab,kw	13
3.	1 OR 2	CDSR/0 DARE/1 Central/ 10 CRM/0 HTA/0 EED/2

The search result, usually found at the end of the documentation, forms the list of abstracts.

[AU] = Author

[MAJR] = MeSH Major Topic

[MeSH] = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

Systematic[SB] = Filter for retrieving systematic reviews

[TI] = Title

[TIAB] = Title or abstract

[TW] = Text Word

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

CDSR = Cochrane Database of Systematic Review

CENTRAL = Cochrane Central Register of Controlled Trials, “trials”

CRM = Method Studies

DARE = Database Abstracts of Reviews of Effects, “other reviews”

EED = Economic Evaluations

HTA = Health Technology Assessments

Search terms		Items found
Population: infants		
1.	infant/de OR baby/de OR high risk infant/de OR hospitalized infant/de OR newborn/de OR newborn death/	5,178
2.	baby:ti OR babies:ti OR infant:ti OR infants:ti OR infancy:ti OR neonate*:ti OR newborn:ti OR 'new born':ti OR preterm*:ti OR neonatal:ti OR 'very young child':ti OR 'very young children':ti	349,056
3.	1 OR 2	352,306
Population: persons with subdural hematoma/ retinal hemorrhage/ cerebral edema/ rib fractures or classic metaphyseal lesion		
4.	'subdural hematoma'/de OR 'retina hemorrhage'/de OR 'brain edema'/de OR 'rib fracture'/de OR 'flail chest'/de OR 'tibia fracture'/de OR 'epiphysis'/de OR 'brain ischemia'/de OR 'brain hemorrhage'/exp	235,293
5.	((subdural NEXT/1 haemorrhage*) OR (subdural NEXT/1 haematoma*) OR (subdural NEXT/1 hematoma*) OR (retinal NEXT/1 hemorrhage*) OR (intraocular NEXT/1 bleeding*) OR (vitreous NEXT/1 hemorrhage*) OR "brain swelling" OR (cerebral NEXT/1 oedema*) OR (cerebral NEXT/1 edema*) OR (brain NEXT/1 oedema*) OR (brain NEXT/1 edema*) OR (Rib NEXT/1 fracture*) OR ('long bone' NEXT/1 fracture*) OR "Classic Metaphyseal Lesion" OR (metaphyseal NEXT/1 fracture*) OR ('metaphyseal chip' NEXT/1 fracture*)):ti,ab	32,746
6.	4 OR 5	244,806
Cause of the injury: accidental/non-accidental		
7.	"child abuse"/de OR "differential diagnosis"/de OR "diagnostic error"/de OR "falling"/de OR "home accident"/de OR "accident"/de OR "traffic accident"/de OR "multiple trauma"/de OR 'accidental injury'/de OR 'birth injury'/de OR 'traumatic brain injury'/de	511,210
8.	accident*:ti OR unintentional:ti OR nonaccident*:ti OR (non NEXT/0 accident*):ti OR abus*:ti OR inflicted:ti OR noninflicted:ti OR 'non inflicted':ti OR suspect*:ti OR misdiagnosed:ti OR underdiagnosed:ti OR presumptive:ti OR probable:ti OR intentional:ti OR differential:ti OR trauma:ti	302,731
9.	7 OR 8	751,930
Shaken baby		
10.	(shake* NEAR/2 (baby OR babies OR child OR children OR impact OR infant)):ti,ab OR (shaking NEAR/2 (baby OR babies OR children OR impact OR infant* OR repetitive OR "manually inflicted")):ti,ab OR (Shaking-related OR "Infant head trauma" OR "Battered child syndrome" OR "infant head trauma" OR "Infant TBI" OR "Abusive head trauma" OR (Abusive head NEXT/0 injur*) OR "inflicted traumatic brain injury"):ti,ab	1,562
Combined sets		
11.	6 AND 9	20,953
12.	10 OR 11	17,507
13.	3 AND 12	1,033

/de= Term from the EMTREE controlled vocabulary

/exp= Includes terms found below this term in the EMTREE hierarchy

/mj = Major Topic

:ab = Abstract

:au = Author

:ti = Article Title

:ti:ab = Title or abstract

* = Truncation

“ “ = Citation Marks; searches for an exact phrase “ “ = Citation Marks; searches for an exact phrase

Search terms	Items found
Population: infants	
1. "Infant"[Mesh]	963323
2. Baby[ti] OR babies[ti] OR infant[ti] OR infants[ti] OR infancy[ti] OR newborn[ti] OR new-born[ti] OR preterm*[ti] OR Very young child*[ti] OR ((Baby[tiab] OR babies[tiab] OR infant[tiab] OR infants[tiab] OR newborn[tiab] OR new-born[tiab]) NOT Medline[SB])	237441
3. 1 OR 2	1033776
Population: persons with subdural hematoma/ retinal hemorrhage/ cerebral edema/ rib fractures or classic metaphyseal lesion	
4. Hematoma, Subdural[MeSH] OR Retinal Hemorrhage[MeSH] OR Brain Edema[MeSH] OR Brain injuries[MAJR] OR ("Hemorrhage"[Mesh:NoExp] AND (Brain[MeSH:NoExp] OR "Eye"[Mesh:NoExp])) OR "Fractures, Bone"[Mesh:NoExp] OR "Tibial Fractures"[Mesh] OR Epiphyses/injuries[MeSH] OR "Rib Fractures"[Mesh]	128585
5. subdural haemorrhage*[tiab] OR subdural haematoma*[tiab] OR subdural hematoma*[tiab] OR retinal hemorrhage*[tiab] OR intraocular bleeding*[tiab] OR vitreous hemorrhage[tiab] OR brain swelling[tiab] OR cerebral oedema*[tiab] OR cerebral edema*[tiab] OR brain oedema*[tiab] OR brain edema*[tiab] OR Rib fracture*[tiab] OR long bone fracture*[tiab] OR Classic Metaphyseal Lesion[tiab] OR metaphyseal fracture*[tiab] OR metaphyseal chip fracture*[tiab]	25679
6. 4 OR 5	140274
Cause of the injury: accidental/non-accidental	
7. Child Abuse[MeSH] OR Diagnosis, Differential[MeSH] OR Diagnostic Errors[MeSH] OR Accidental Falls[MeSH] OR Accidents, Home[MeSH] OR Accidents[MeSH] OR "Multiple Trauma"[Mesh]	656491
8. Accident*[ti] OR unintentional[ti] OR nonaccident*[ti] OR non-accident*[ti] OR abus*[ti] OR inflicted[ti] OR noninflicted[ti] OR non-inflicted[ti] OR suspect*[ti] OR differential diagnos*[ti] OR misdiagnosed[ti] OR underdiagnosed[ti] OR presumptive[ti] OR probable[ti] OR intentional[ti] OR odds of abuse[ti]	126896
9. 7 OR 8	731115
Shaken baby	
10. "Shaken Baby Syndrome"[Mesh] OR shaken[ti] OR shaken baby[tiab] OR children who are shaken[tiab] OR shaken impact syndrome[tiab] OR repetitive shaking[tiab] OR Shaking-related[tiab] OR Shaking infant trauma[tiab] OR Infant head trauma[tiab] OR shaken babies[tiab] OR shaken child[tiab] OR shaken children[tiab] OR shaken impact syndrome[tiab] OR shaken infant*[tiab] OR manually inflicted shaking[tiab] OR shaking baby[tiab] OR Battered child syndrome[tiab] OR infant head trauma[tiab] OR Infant TBI[tiab] OR Infant shaking[tiab] OR Abusive head trauma[tiab] OR Abusive head injur*[tiab] OR shaking injur*[tiab]	3062
Combined sets: persons with accidental/non-accidental head injuries OR Shaken baby syndrome	
11. (6 AND 9) OR 10	17164
12. 3 AND 11	4175

The search result, usually found at the end of the documentation, forms the list of abstracts.

[MeSH] = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

[MAJR] = MeSH Major Topic

[TIAB] = Title or abstract

[TI] = Title

[AU] = Author

[TW] = Text Word

Systematic[SB] = Filter for retrieving systematic reviews

* = Truncation

Sociological Abstracts, Social Services Abstracts & ERIC via ProQuest 19 October 2015

Search terms		Items found
Population: infants		
1.	SU.EXACT("Infants") OR SU.EXACT("Premature Infants") OR subject("Neonates")	15,970
2.	TI((baby OR babies OR infant OR infants OR infancy OR neonate* OR neonatal OR newborn OR new-born OR preterm* OR "Very young child" OR "very young children"))	12,188
3.	1 OR 2	19,932
Population: persons with subdural hematoma/ retinal hemorrhage/ cerebral edema/ rib fractures or classic metaphyseal lesion		
4.	subject("Brain") OR subject("Traumatic Brain Injury") OR subject("Head Injuries")	10,504
5.	ALL(((retinal OR intracranial OR cerebral OR subdural OR intraocular OR vitreous) NEAR/2 (hemorrhage OR haemorrhage* OR haematoma OR bleeding*)) OR ((Cerebral OR brain) NEAR/2 (oedema* OR edema* OR swell*)) OR ((Head OR brain) NEAR/1 (trauma OR injury)))	1,507
6.	ALL("Rib fracture*" OR "long bone fracture*" OR "Classic Metaphyseal Lesion" OR "metaphyseal fracture*" OR "metaphyseal chip fracture*" OR triad)	1,907
7.	TI("head trauma" OR "brain injury" OR "head injury")	592
8.	4 OR 5 OR 6 OR 7	12,840
Cause of the injury: accidental/non-accidental		
9.	subject("Injuries") OR subject("Trauma") OR subject("Child Abuse") OR subject("Family Violence")	38,970
10.	ALL(Accident* OR unintentional OR nonaccident* OR non-accident* OR abus* OR inflicted OR noninflicted OR non-inflicted OR suspect* OR differential OR misdiagnosed OR underdiagnosed OR presumptive OR probable OR intentional OR trauma)	154,286
11.	9 OR 10	160,621
Shaken baby		
12.	if("Shaken Baby Syndrome")	32
13.	TI(Shaken) OR ALL("shaken baby" OR "children who are shaken" OR "shaken impact syndrome" OR "repetitive shaking" OR "shaking event" OR "Shaking-related" OR "Shaking infant trauma" OR "Infant head trauma" OR "shaken babies" OR "shaken child" OR "shaken children" OR "shaken impact syndrome" OR "shaken infant" OR "shaken infants" OR "manually inflicted shaking" OR "shaking baby" OR "Battered child syndrome" OR "infant head trauma" OR "Infant TBI" OR "Infant shaking" OR "Abusive head trauma" OR "Abusive head injury" OR "abusive head injuries" OR "inflicted traumatic brain injury" OR "inflicted traumatic brain injuries")	137
14.	12 OR 13	146
Combined sets		
15.	8 AND 11	2,056
16.	15 OR 14	2,137
17.	3 AND 16	138

The search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract

AF = Author affiliation

All = Performs a keyword search in most of the database's searchable fields, except full text

AU = Author

SU.EXACT = Term from the Sociological thesaurus

SU.EXACT.EXPLODE = Includes terms found below this term in the Sociological thesaurus

TI = Title

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

? = Wildcard, used to replace any single character either inside or at the right end of a word

Scopus via Elsevier 15 October 2015

Search terms		Items found
Population: infants		
1.	TITLE (baby OR babies OR infant OR infants OR infancy OR neonate* OR neonatal OR newborn OR new-born OR preterm* OR "Very young child" OR "very young children")	359,779
Population: persons with subdural hematoma/ retinal hemorrhage/ cerebral edema/ rib fractures or classic metaphyseal lesion		
2.	TITLE-ABS("subdural haemorrhage*" OR "subdural haematoma*" OR "subdural hematoma*" OR "retinal hemorrhage*" OR "intraocular bleeding*" OR "vitreous hemorrhage" OR "brain swelling" OR "cerebral oedema*" OR "cerebral edema*" OR "brain oedema*" OR "brain edema*" OR "Rib fracture*" OR "long bone fracture*" OR "Classic Metaphyseal Lesion" OR "metaphyseal fracture*" OR "metaphyseal chip fracture*" OR triad) OR TITLE("head trauma" OR "brain injury" OR "head injury")	92,366
Cause of the injury: accidental/non-accidental		
3.	TITLE(Accident* OR unintentional OR nonaccident* OR non-accident* OR abus* OR inflicted OR noninflicted OR non-inflicted OR suspect* OR differential OR misdiagnosed OR underdiagnosed OR presumptive OR probable OR intentional OR trauma)	437,335
Shaken baby		
4.	TITLE(Shaken) OR TITLE-ABS("shaken baby" OR "children who are shaken" OR "shaken impact syndrome" OR "repetitive shaking" OR "Shaking-related" OR "Shaking infant trauma" OR "Infant head trauma" OR "shaken babies" OR "shaken child" OR "shaken children" OR "shaken impact syndrome" OR "shaken infant" OR "shaken infants" OR "manually inflicted shaking" OR "shaking baby" OR "Battered child syndrome" OR "infant head trauma" OR "Infant TBI" OR "Infant shaking" OR "Abusive head trauma" OR "Abusive head injury" OR "abusive head injuries" OR "inflicted traumatic brain injury" OR "inflicted traumatic brain injuries")	1,935
Combined sets		
5.	2 AND 3	5,710
6.	4 OR 5	7,260
7.	1 AND 6	793
8.	7 AND limit to: articles & reviews	576

The search result, usually found at the end of the documentation, forms the list of abstracts.

TITLE-ABS-KEY = Title or abstract or keywords

ALL = All fields

PRE/n = "precedes by". The first term in the search must precede the second by a specified number of terms (n).

W/n = "within". The terms in the search must be within a specified number of terms (n) in any order.

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

LIMIT-TO (SRCTYPE , "j" = Limit to source type journal

LIMIT-TO (DOCTYPE , "ar" = Limit to document type article

LIMIT-TO (DOCTYPE , "re" = Limit to document type review