

Registered Nurses' Association of Ontario – Nursing Best Practice Guidelines Program

Working with Families to Promote Safe Sleep for Infants 0-12 Months of Age

Guideline Search Strategy

1. Structured Website Search

A Member of the RNAO guideline development team (project coordinator) searched an established list of websites for guidelines.

Guidelines were selected based on the following criteria:

1. Published in English, national and international in scope
2. Developed no earlier than January, 2005
3. Strictly on the topic areas listed: Safe Sleep for Infants, SIDS: Sudden Infant Death Syndrome, SUDS: Sudden Unexpected Death Syndrome, and Prevention of Infant Death.
4. Evidence-based (contains references, description of evidence, source of evidence)
5. Available and accessible for retrieval

Website Searched:

Abstracts for Cochrane Reviews

AHFMR (Alberta Heritage Foundation for Medical Research) Health Technology Assessment Publications

Alberta Medical Association Clinical Practice Guidelines

American Academy of Pediatrics

American Nephrology Nurses Association

Annals of Internal Medicine

Bandolier Journal

BC Office of Health Technology Assessment

British Columbia Council on Clinical Practice Guidelines

Canadian Health Network

Canadian Institute for Health Information

Clinical Evidence

CMA Infobase: Clinical Practice Guidelines

Commission on the Future of Health Care in Canada

CREST

Database of Abstracts of Reviews of Effectiveness

EBOC: Evidence-based On-Call:

European Observatory on Health Care for Chronic Conditions, World Health Organization

Canadian Pediatric Society

Campbell Collaboration

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Institute for Clinical Evaluative Sciences
Institute for Clinical Systems Improvement
Joanna Briggs Institute for Evidence-Based Nursing & Midwifery (Australia)
Monash University Centre for Clinical Effectiveness
National Guideline Clearinghouse
National Institute for Clinical Evidence (NICE)
New Zealand Guidelines Group
NHS Centre for Reviews and Dissemination
NHS National Research Register (UK focus)
NHS R & D Health Technology Assessment Programme
NIH [US National Institute of Health] Consensus Development Program
NLM Health Services/Technology Assessment
Nursing & Midwifery Practice Dev. Unit
PEDro: The Physiotherapy Evidence Database
Royal College of Nursing
SIDS foundation of Canada
Virginia Henderson International Nursing Library

2. Hand Search

RNAO expert panel members were asked to review personal libraries to identify and submit potentially relevant guidelines. Guidelines submitted for consideration by RNAO expert panel members were integrated into the retrieved list of guideline if they had not been identified by the on-line guideline search and met the inclusion criteria.

Systematic Review Search Strategy

Concurrent with the review of existing guidelines, a systematic review for recent literature relevant to the scope of the guideline was conducted by a health sciences librarian.

Clinical Questions:

1) What are the risks and protective factors that influence safe sleep:

- Physical environment
- Parent and child attributes (high risk populations)
- HCP interventions

2) What are the Education and Policy considerations in the implementation of this safe sleep?

- Education: Academic (undergraduate, graduate, continuing education) and Organizations (workshops, orientations, continuing education)
- Policy: Economic factors, Advertising, Advocacy

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Databases Searched: Cumulative Index to Nursing and Allied Health (CINAHL), Cochrane Controlled Trials (CT), Cochrane Systematic Reviews (SR), Database of Abstracts of Reviews of Effectiveness (DARE), Embase and Medline.

Inclusion Criteria:

- A. Studies related to Risks and Protective Factors that influence sleep including Physical environment, parent and child attributes and HCP interventions
- B. Studies related to Education and Policy considerations that influence safe sleep
- C. For Clinical Question 1: Guidelines, Meta-analysis, systematic review, RCTs, Descriptive Co-relational study, Qualitative Studies and Case Control Studies
- D. For Clinical Question 2: all studies mentioned in C plus expert opinion (integrative review and critical review)
- E. Studies/articles from January 2000-September 2013
- F. English Language
- G. Target population: 0-12 months, parents and caregivers
- H. All health care providers, educators, parents and caregivers
- I. All health care settings and sectors

Exclusion Criteria:

- A. Dissertations, Commentaries, Narrative Reviews, Case Studies
- B. Non-English language
- C. Target population: infants or children greater than 12 months
- D. Topic not related to Safe Sleep
- J. Studies NOT related to Risks and Protective Factors that influence sleep including Physical environment, parent and child attributes and HCP interventions
- K. Studies NOT related to Education and Policy considerations that influence safe sleep

Search Terms

Below is the condensed search strategy used for each research question in MEDLINE. Comparable terms were used in all other databases searched.

Population: Infant and related terms	Exposure: Risk factors and related terms	Outcome: SIDS and related terms
Infant Infant, Newborn Infant, Low Birth Weight Infant, Very Low Birth Weight Infant, Extremely Low Birth Weight Infant, Small for Gestational Age Infant, Premature Infant, Postmature	risk factors risk assessment risk reduction behavior odds ratio likelihood functions risk* Beds Bedding and Linens linen? adj2 bedding?	Sleep Unsafe sleep Back to sleep Healthy sleep Sleep position Falls Hypoxia Hypoxemia Suffocation

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<p>Infant Mortality infan* newborn* or new-born* neonate or neonates baby or babies preemie or premie SGA</p>	<p>Infant Equipment infan* adj2 equipment? Play and Playthings (toy or toys Pacifiers pacifier? infant care/ or rooming-in care Posture Prone Position Supine Position dorsal adj2 position? swaddl* bottle feeding/ or breast feeding diapers, infant Animals, Domestic accidents/ or accident prevention accident* Safety Equipment Safety equipment? adj2 hazard?</p>	<p>Strangulation Entrapment Entanglement Sudden Infant Death Sudden unexpected death in infancy Sudden unexpected infant death SIDS ASSB (accidental suffocation and strangulation) SUPC (sudden unexpected post-natal collapse) Sudden infant death Aspiration Asphyxia sudden* adj3 (infan* or baby or babies unexpect* adj3 (infan* or baby or babies crib? adj2 death? cot adj2 death? nap or naps or napped or napping sid or sids or sudi</p>
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Hand Search

Panel members were asked to review personal libraries to identify key articles not found through the above search strategies. Articles identified by panel members were included in the search results if two nursing research associates independently determined the articles had not been identified by the literature search and met the inclusion criteria.