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| **ISA ISPID  Abstract Submission  Nº: 202**   |  | | --- | | Topics: **SIDS/SUID** | | Type: **Oral** | | **The influence of bed sharing on infant physiology and behaviour: a systematic review** | | **Baddock, Sally**1; **Purnell, Melissa** 1; **Blair, Peter**2; **Pease, Anna**2; **Elder, Dawn**3; **Galland, Barbara**3 *1 - Otago Polytechnic. 2 - University of Bristol. 3 - University of Otago.* | | **Introduction** The influence of infant/adult bed sharing on infant physiology has been studied under a variety of settings where differences likely arise from situational factors such as sleeping under adult bedding and proximity of the adult. We sought to systematically search and synthesise existing literature related to adult/infant bed sharing and infant physiology, with the aim to gain a better understanding of the risks and benefits to the infant, with additional emphases on infant behaviour and breast-feeding outcomes.  **Material and Methods** A comprehensive search strategy was developed. A primary search using text words relating to adult-infant/baby bed-sharing/co-sleeping were combined with outcome terms for physiology, sleep, cardiovascular, respiratory, temperature and behaviour. The following databases were searched up to December 2015: PubMed; SCOPUS; CINAHL; EMBASE; PsychINFO; Web of Science and EBM Reviews including Cochrane.  **Results** After exclusion of duplicate papers, abstracts of 676 papers and the full text of 105 papers were scrutinized for inclusion criteria. This led to 53 papers being included in the review. These papers were critically appraised, tabulated, and synthesised according to the outcome terms. Preliminary results identified 23 papers that reported on the relationship between bedsharing and breastfeeding. Other studies reported on a range of changes in overnight infant sleep associated with bedsharing (18 studies), infant overnight body temperature during bedsharing (7), infant cardiorespiratory measures (7), stress and/or cortisol measures (3) and sleep position (2). Detailed analysis of these papers will be presented.  **Conclusions** This is the first systematic review to assess the impact of bed sharing on infant physiology and has implications for understanding why bed sharing presents a greater risk to infants in some situations. It will provide evidence to inform public health messages about safe infant sleep, enable more informed discussions with parents and will also likely highlight gaps in the current literature. | |  |  |  |  | | --- | --- | | **CONTACT** | | | Name: | **Sally** | | Lastname: | **Baddock** | | E-mail: | **sally.baddock@op.ac.nz** | | Country: | **New Zealand** | | Institution | **Otago Polytechnic** | | Cellphone: | **+6421705782** | | City: | **Dunedin** | |