

Perceived Milk Insufficiency: A Systematic Review and Synthesis of the Literature

Article	Reported Reasons for PMI		
	<i>Infant-Related</i>	<i>Maternally-Related</i>	<i>Socially-Related</i>
Binns & Scott, 2002 Australia	Unsettled, fussiness		
Cooke et al, 2003 Australia	Not satisfied, unsettled, infant not enjoying breastfeeding, too much time at breast, breast refusal		
DaMota et al 2012 United States	Crying, waking, fussiness		
Dykes & Williams 1999 England	Frequent crying and/or feeding	Lack of confidence, dietary concerns, inexperience, BF management	Lack of support & practical assistance, many other responsibilities
Forman et al 1992 Israel			Cultural/social change leading to: reduction of traditional 40-day rest period, chores due to increase in visitors, less social support, multiparous women “needed a break” between feeds
Heinig 2006 U.S.A.	Waking, crying		Family lacking confidence, ambivalence or discouragement from health professionals
Hill 1991 U.S.A.	Fussy, not satisfied, frequent feedings		
Hill & Aldag 1991 U.S.A.	Not satisfied, fussy after BF	Lack of confidence, health; introduction of solids and formula	Disapproval of mother-in-law
Hill & Humenick 1996 U.S.A.	Low maternal perception of infant satiety	Low confidence, low satisfaction	
Huang et al 2009 Taiwan	Crying, infant behavior, infant sucking patterns	Planned BF duration, bottle feeding	Family support
Marques et al 2001 Brazil	Always hungry, crying	“Milk has dried up”	

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McCann & Bender 2006, Bolivia	Crying	Perceived poor health or diet	Living in a modern city vs traditional Amerindian area
McCarter-Spaulding & Kearney 2001 U.S.A.		Low parenting self-efficacy	
Negayama et al 2012 Japan, France & U.S.A.		Japan: less satisfaction, formula positive, ideal length of EBF shorter USA: breast milk less positive France: less satisfaction with duration of BF	Japan: received formula sample from hospital
Otsuka et al 2008 Japan		Breastfeeding self-efficacy	
Pisacane et al 2005 Italy			Fathers in the control group received training on BF management ↓ PMI
Ransjö-Arvidson et al 1998 Zambia			Mothers randomized to frequent home visits by a midwife had ↓ PMI
Sacco et al 2006 Mexico	Crying, still hungry, does not get full	Perceived poor diet & fluid intake	
Segura-Millán et al 1994 Mexico	Crying, not full, sucking his hands	Lack of confidence in BF, early introduction of formula to prior child, milk arrival ≥3 days, perceived soft breasts, higher maternal education, mother was BF, multiparity, sore nipples	