

GRADE Profile 4

Question: What is the nutritional adequacy of replacement feeding without infant formula?
Populations: Breastfed HIV-exposed infants
Settings: Cote de'Ivoire, Zimbabwe
Bibliography: MESH words included in search strategy: ".complementary feeding and HIV; replacement feeding and HIV". The first search identified 44 papers, and the second one 63, but there was substantial overlap so that 98 papers were listed. Of these, 4 appeared relevant; two contained primary data and were included in the grade profile.

Quality assessment							Summary of findings			Importance		
No of studies	Design	Limitations	Inconsistency	Indirectness	Imprecision	Other considerations	No of patients		Effect		Quality	
									Relative (95% CI)	Absolute		
Nutritional content of available foods											VERY LOW	7.5
1	Observational Lunney, 2008	Very serious ¹	N/a	Very serious ²	Very serious ³		43 and 5 Focus Group Discussions		Intake for most micronutrients <67% of recommended; energy intake 54% of recommended for infants who stopped BF	Very low		
Adequacy and diet, nutritional outcomes											VERY LOW	7.5
1	Observational (cohort) Becquet, 2006	Very serious ⁴	N/a	Very serious ⁵	Very serious ⁶		262 breastfed		Inadequate CF at 6 mos associated with 37% increased stunting	Low		

Becquet R et al. Complementary feeding adequacy in relation to nutritional status among early weaned breastfed children who are born to HIV-infected mothers: ANRS 1201/1202 Ditrane Plus, Abidjan, Cote d'Ivoire. *Pediatrics*, 2006, 117(4): e701-710.

Lunney KM et al. HIV-positive poor women may stop breast-feeding early to protect their infants from HIV infection although available replacement diets are grossly inadequate. *The Journal of Nutrition*, 2008, 138:351-357.

¹ No allocation to groups/blinding/etc.

² Mostly assessed feeding intention, not actual; did not relate diet to nutritional/health outcomes

³ Few subjects

⁴ No randomisation/blinding/etc.

⁵ Food index created and related to nutritional status

⁶ Fewer than 300 subjects