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Abstract

Background: Exclusive Breastfeeding (EBF) rates remain low in both low-income and high-income countries worldwide. Recommendations for EBF until 6 months. Breastfeeding has been shown to have a protective effect against diarrhoeal infection, among other benefits. Large-scale interventions focusing on education, counseling, and promotion of breastfeeding have been shown to increase breastfeeding prevalence, especially EBF, particularly recommended standard and also decrease infant morbidity.

Objectives: A systematic review and meta-analysis comparing breastfeeding education and/or promotion versus care. The effect of intervention on exclusive breastfeeding for exclusive breastfeeding, predominant, partial, and non-breastfeeding rates. The time interval of interest was less than 1 month, and 1 to 5 months. Outcomes specific to the Child Health Epidemiology Reference Group (CHERG) were adapted according to the Child Health Epidemiology Reference Group (CHERG) recommendations. Recommendations were made from evidence in developing countries for inclusion in the LiST model.

Methods: After reviewing 4600 abstracts, 372 studies were selected for full screening and 110 of these were finally included. Significant increases in EBF rates were observed. The proportion of 'no breastfeeding' reduced by 32% at 1 day, 30% at <1 month, and 18% at 1-5 months. The effect of intervention on the rate of predominant and partial breastfeeding was non-significant.

Conclusion: Breastfeeding education and/or promotion increased EBF rates and decreased non-breastfeeding rates at birth, <1 month and 1-5 months. Combined individual and group counseling appeared to be superior to individual alone or group counseling alone. Intervention in developing countries had a greater impact than those in developed countries.

Introduction

acc ding he CHERG ada a i n f he GRADE
echni e [27].

For an example in medicine, the hazard ratio (HR) and confidence interval (CI) were calculated using the REEMAN 5.2 [28] and REED software. The Mantel-Haenszel method was used to calculate the relative risk (RR) and corresponding 95% confidence interval (CI). The effect size

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ba ed ed ca i nal , g.am .16 die led f mal ed -
ca i nal cl a e and 15 die led in-h i al c n eling.
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he im a in e en i n.

inc ea e f 31% and 27% e ec i el . Facili -ba ed
in e en i n e.e f nd inc ea e EBF a e ignifi-
can l b 26% (RR: 1.26, 95% CI: 1.11-1.43) and c m-
bined facili and c mm ni ba ed in e en i n
h ed ignifican inc ea e f 31% (RR: 1.31, 95%CI:

In Table 1, e.e , he ali a e men f b.ea feeding
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e.e incl ded f , hi c me [11-14,17-22,32-87]. 27 f
66 die e e c nd c ed in de el ing c n ie . O e-
all, ed ca i nal in e en i n ignifican l inc ea ed EBF
a e a da 1 b 43% (RR: 1.43, 95% CI: 1.09-1.87), a <1
m n h b 30% (RR: 1.30, 95% CI: 1.19-1.42) and a 1-5
m n h b 90% (RR: 1.90, 95% CI: 1.54-2.34) (Fig .e 2).

A da 1, bg anal e h ed ha indi id al
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1.04-2.48) hile he effec f g, c n eling al ne
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en i n led an inc ea e f 157% (RR: 2.57, 95%CI:
1.39-4.77) he ea a n n- ignifican effec a dem n-
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F , he <1 m n h in e al , bg anal e h ed
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feeding. 13 die had ,e , ed hi c me [11,12,18, 20,36,42,46,52,58,61,72,76,85] and eigh f he e e,e c nd c ed in de el ing c n ,ie . O e.all, ed ca i nal in e en i n had a n n- ignifican effec n ,ed mi-

Table 2 Summary of findings for the effect of breastfeeding promotion interventions on predominant and partial breastfeeding rates.

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11	8 RCT, 3 QE [18,19,45,52,61,66,71,72,76,85,88]	Variable follow-up period . die . Recall . gge . die (pa 24 hr, pa eek or pre io, mon h). mother in he in er en ion gro, p ma ha e o er-repor ed feeding prac ice .	None of he . die . gge . benefi . In significan he ergenei	5 of 11 . die ere cond, c ed in de eloping co, n rie	Pooled re , I for differen pe of in er en ion	112	151	0.88 [0.72, 1.08]	Fi ed effec me a-anal i ; in ignifican he ergenei Mo , die . ed indi id, al co, n eling and mo ere facili - ba ed.
<i>1. f 1. f . 1. 1-5 . 1 : mode a e o come- specific q ali</i>									
20	11 RCT, 9 QE [18-20,36,42,45,47,49,51,52,59,61,62,71,72,76,80,85,86,89]	Variable follow-up period . die . Recall . gge . die (pa 24 hr, pa eek or pre io, mon h). mother in he in er en ion gro, p ma ha e o er-repor ed feeding prac ice .	None of he . die . gge . benefi . Significan he ergenei	9 of 20 . die ere cond, c ed in de eloping co, n rie	Pooled re , I for differen pe of in er en ion	524	578	0.87 [0.75, 1.02]	Random effec me a-anal i d, e o ignifican he ergenei Mo , die . ed indi id, al co, n eling and mo ere facili - ba ed.

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In Table 2, e.e., he ali a.e men f b,ea -
feeding , m i n in e, en i n n a i al b,ea feeding.
24 die [18-20,34,36,42,

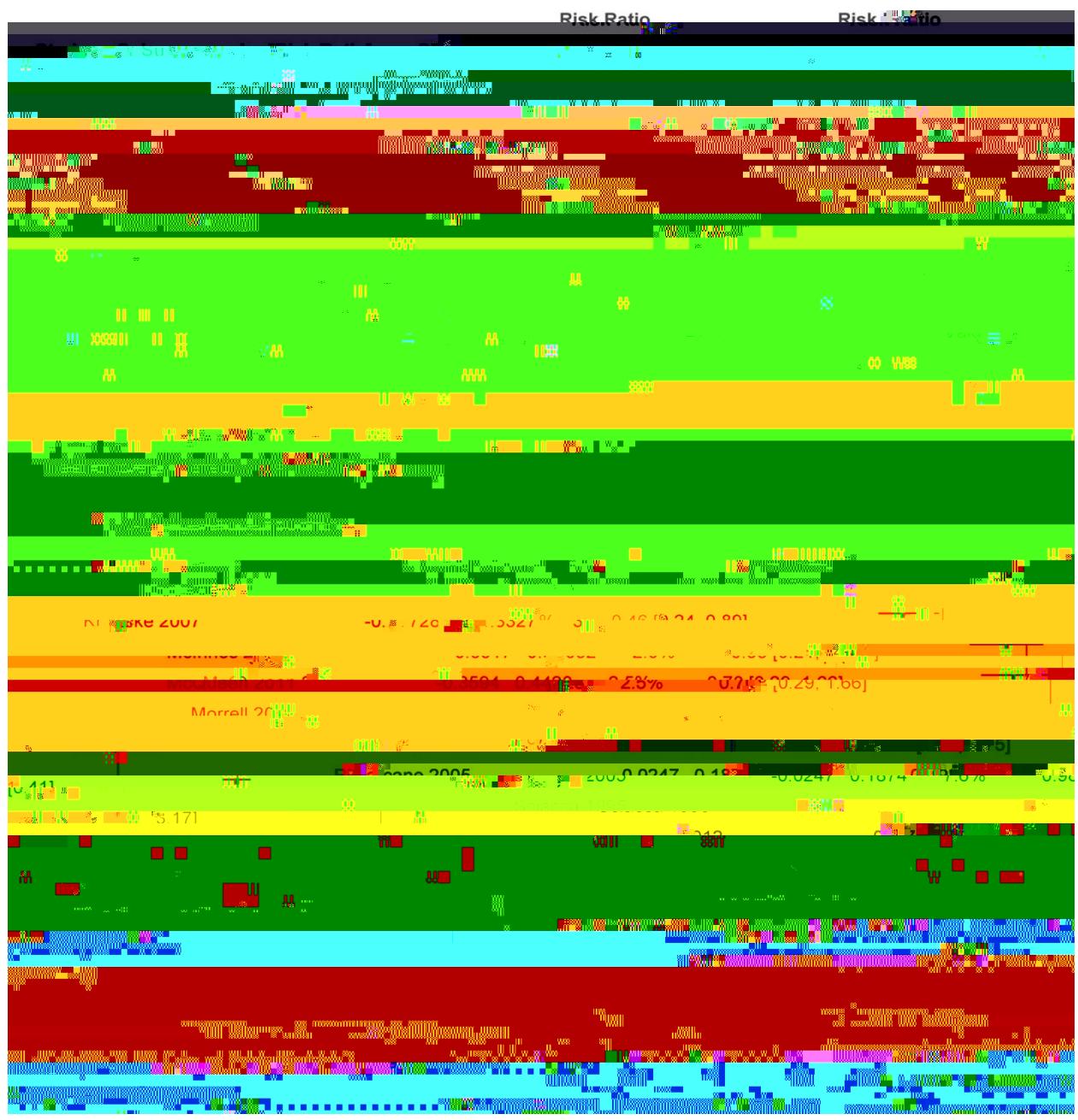


Figure 4 Effect of bread feeding ed. calcium on the rate of partial bread feeding for 1 to 5 months

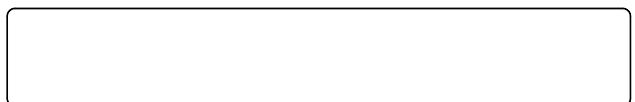
Table 3 Summary of findings for effect of breastfeeding promotion interventions on 'no breastfeeding' rates.

c n ie h ed a ed c i n f 49% (RR: 0.51, 95% CI: 0.29-0.90) and in de el ed c n ie he e a a ed c i n f 29% (RR: 0.71, 95% CI: 0.62-0.81).

F , he 1-5 m n h in e al, bg anal e h ed a i icall signifian ed c i n in 'n b ea feeding' , a e

f , c mbined indi id al and g c n eling i h a ed c i n f 32% (RR: 0.68, 95% CI: 0.50-0.92), indi id al c n63400l

blinding and/ , all ca i n c ncealmen . A a i-e e.i-men al ,ial e.e al incl ded, m f hich did n em l blinding, hi limi ed he ali f he e idence. N nl a he,e me h d l gical he e, genei ac .. die ba ed n d de ign, clinical he e, genei a al b e, ed d e aia i n in e f in e, en i n and he d ,ai n f he in e, en i n, a ge la i n (diffe.ence in inc me and ed ca i n), c me defini- i n ('f ll '



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