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Antenatal education and postnatal support strategies for improving rates of exclusive breast feeding: randomised controlled trial

Lin-Lin Su, associate consultant,¹ Yap-Seng Chong, senior consultant,¹ Yiong-Huak Chan, head, biostatistics unit,² Yah-Shih Chan, assistant director of nursing,³ Doris Fok, research coordinator and lactation consultant,³ Kay-Thwe Tun, clinical project coordinator,⁴ Faith S P Ng, biostatistician,⁴ Mary Rauff, senior consultant¹

¹Department of Obstetrics and Gynaecology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore 119074

²Yong Loo Lin School of Medicine, National University of Singapore, Singapore 117597

³Department of Obstetrics and Gynaecology, National University Hospital, Singapore 119074

⁴Clinical Trials and Epidemiology Research Unit (CTERU), Singapore 1699039

Correspondence to: Y-S Chong
obgcys@nus.edu.sg

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ABSTRACT

Objective To investigate whether antenatal breast feeding education alone or postnatal lactation support alone improves rates of exclusive breast feeding compared with routine hospital care.

Design Randomised controlled trial.

Setting A tertiary hospital in Singapore.

Participants 450 women with uncomplicated pregnancies.

Main outcome measures Primary outcomes were rates of exclusive breast feeding at discharge from hospital and two weeks, six weeks, three months, and six months after delivery. Secondary outcomes were rates of any breast feeding.

Results Compared with women who received routine care, women in the postnatal support group were more likely to breastfeed exclusively at two weeks (relative risk 1.82, 95% confidence interval 1.14 to 2.90), six weeks (1.85, 1.11 to 3.09), three months (1.87, 1.03 to 3.41), and six months (2.12, 1.03 to 4.37) postnatally. Women receiving antenatal education were more likely to breast feed exclusively at six weeks (1.73, 1.04 to 2.90), three months (1.92, 1.07 to 3.48), and six months (2.16, 1.05 to 4.43) postnatally. The numbers needed to treat to achieve one woman exclusively breast feeding at six months were 11 (6 to 80) for postnatal support and 10 (6 to 60) for antenatal education. Women who received postnatal support were more likely to exclusively or predominantly breast feed two weeks after delivery compared with women who received antenatal education (1.53, 1.01 to 2.31). The rate of any breastfeeding six weeks after delivery was also higher in the postnatal support group compared with women who received routine care (1.16, 1.02 to 1.31).

Conclusions Antenatal breast feeding education and postnatal lactation support, as single interventions based in hospital both significantly improve rates of exclusive breast feeding up to six months after delivery. Postnatal support was marginally more effective than antenatal education.

Trial registration Clinical Trials NCT00270920.

INTRODUCTION

Despite awareness of the many advantages of breast feeding, its rates often fall short of recommended practice. The World Health Organization¹ and the American Academy of Pediatrics² advocate exclusive breast feeding for six months and partial breast feeding thereafter for at least 12 or 24 months. In an effort towards achieving better breast feeding practices, UNICEF and WHO launched the baby friendly hospital initiative in 1991 to ensure that all maternity facilities support mothers in making the best choice about feeding. The initiative was introduced to the United Kingdom in 1993, but, although improvements have been reported,³ rates of breast feeding in the UK are still among the lowest in the world.^{4,5} Recent reports from the National Institute for Health and Clinical Excellence (NICE) urge NHS units to become baby friendly to improve rates of breast feeding and save money.^{4,6} Data from the millennium cohort study, however, show that though participating maternity units in the UK increased rates of initiation of breast-feeding, duration did not increase.⁵ Other strategies are therefore required to support mothers in the UK to breast feed for the recommended time. The challenge lies in implementing programmes that can effectively improve rates of short and long term exclusive breast feeding.

A national survey in Singapore in 2001 found that only 21% of mothers were breast feeding at six months, with less than 5% of mothers exclusively breast feeding, despite the fact that nearly 90% of the mothers surveyed indicated that breast feeding was the best form of infant nutrition and 95% said they had attempted to breastfeed.⁷ It is evident that many mothers are unable to establish and maintain breast feeding successfully, despite wanting to do so. While antenatal education and counselling is helpful,⁸ 68% of mothers said that early problems with breast feeding was the main reason they stopped nursing before two months postpartum.⁷ Other barriers were lack of knowledge about breast feeding and lack of support from health professionals.⁷ Women value being shown how to breast feed rather than being told how to.^{9,10} Evidence of effective interventions to improve exclusive breast

feeding for the recommended duration of six months is sparse. While there is evidence for the effectiveness of professional support in prolonging duration of breast feeding and increasing rates of initiation of breast feeding, the strength of its effect on the rate of exclusive breastfeeding is unclear.^{11 12}

We used a randomised controlled study to compare the relative effectiveness of an antenatal breast feeding education protocol and a postnatal lactation support protocol versus routine care in improving rates of exclusive breast feeding in a tertiary hospital setting.

METHODS

Study population

We recruited healthy pregnant women who were attending antenatal clinics at the National University Hospital, a tertiary hospital in Singapore. One research assistant, who is an experienced lactation consultant, recruited women from the outpatient obstetric clinic. Mothers were eligible for participation if they were more than 34 weeks' gestation at the time of delivery, expressed an intention to breast feed, and had no illness that would contraindicate breast feeding or severely compromise its success. We excluded women with high risk and multiple pregnancies. Women who agreed to participate gave written informed consent.

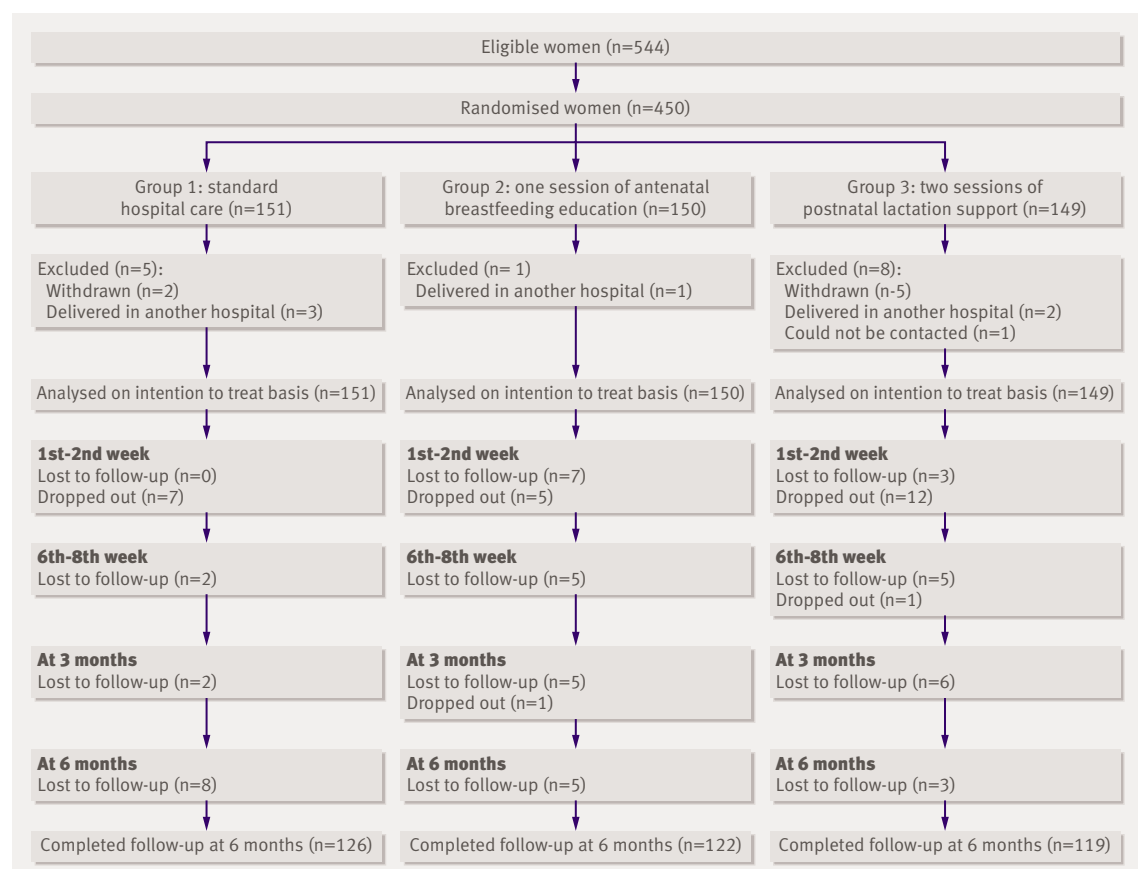
Definitions of types of breastfeeding

Exclusive breast feeding—only breast milk given to baby. Medicines, vitamins, and oral rehydration solution may be given but no formula or water
 Predominant breast feeding—breast milk and water, sweetened water, and juices given without formula
 Partial breast feeding—breast milk and complementary food such as formula milk, gruel, semisolids, or solids are given
 No breast feeding—no breast milk given and only formula milk and other liquids or food given

Assignment and intervention

Women were randomised into three groups. Group 1 was the control group and women received routine antenatal, intrapartum, and postnatal obstetric care with no special intervention applied. At our hospital, this included optional antenatal classes, which did address infant feeding, and postnatal visits by a lactation consultant should any problems with breast feeding arise.

Women randomised to group 2 received one session of antenatal breastfeeding education in which they were shown a 16 minute educational video entitled "14 Steps to Better Breastfeeding" (InJoy Videos, Boulder, CO), which introduced the benefits of breastfeeding, demonstrated correct positioning, latch on, and breast care, and



Flow of participants through each stage of randomised trial

discussed common concerns. They were also given printed guides on breast feeding^{13 14} and an opportunity to talk to a lactation counsellor for about 15 minutes. They subsequently received routine intrapartum and postnatal obstetric care.

Women randomised to group 3 were placed in a two session postnatal lactation support programme. They were visited by a lactation consultant within the first three postnatal days before discharge from hospital. They also received the same printed guides on breast feeding^{13 14} during this visit. A second support session was provided during their first routine postnatal visit one to two weeks after delivery. During these two encounters, the women received hands-on instructions in latching on, proper positioning, and other techniques to avoid common complications. Each encounter lasted about 30 minutes.

We conducted our study in conjunction with the clinical trials and epidemiology research unit, which is an independent organisation funded by the National Medical Research Council. This unit performed the randomisation, sequence allocation, trial

coordination, site monitoring, data collection, and analysis for this study according to good clinical practice guidelines. The unit generated and maintained a list of random codes for participants, corresponding to the two interventions and the control assignment groups. Treatment assignment was generated with a computer programme. The clinical project coordination department of the Clinical Trials and Epidemiology Research Unit randomised women by means of telephone calls. Unit personnel would then log on to the password protected website to obtain the randomisation number and assign the study group. Backup envelopes were used if website randomisation failed. The sequence was therefore strictly concealed until the intervention was assigned. The research assistant ensured that appropriate interventions were carried out depending on the group to which the women were allocated. The trial data were collected on printed case record forms, and the unit performed data entry. Clinical project coordinators of the unit regularly monitored sites to ensure accuracy of recruitment and data collection as well as strict compliance to the study protocol. We

Table 1 | Baseline characteristics of women according to group allocation.* Figures are numbers (percentages) of women unless stated otherwise

	Group 1 (n=151)	Group 2 (n=150)	Group 3 (n=149)	Total (n=450)
Mean (SD) age (years)	28.6 (5.8)	29.5 (5.2)	29.9 (6)	29.4 (5.6)
Parity:				
Primiparous	60 (40)	59 (39)	59 (40)	178 (40)
Multiparous	91 (60)	91 (61)	90 (60)	272 (60)
Ethnicity:				
Chinese	46 (31)	62 (41)	65 (44)	173 (38)
Malay	82 (54)	65 (43)	69 (46)	216 (48)
Indian	16 (11)	20 (13)	12 (8)	48 (11)
Other	7 (5)	3 (2)	3 (2)	13 (3)
Highest educational qualification:				
Higher than secondary	53 (35)	56 (37)	51 (34)	160 (36)
No qualification/primary	98 (65)	94 (63)	98 (66)	290 (64)
Employment:				
Student/housewife	86 (57)	86 (57)	69 (46)	241 (54)
Employed	65 (43)	64 (43)	80 (54)	209 (46)
Entitlement to >2 months maternity leave for employed women:				
Yes	27 (42)	26 (41)	31 (39)	84 (40)
No	31 (48)	31 (48)	40 (50)	102 (49)
Not applicable	7 (11)	7 (11)	9 (11)	23 (11)
Household monthly income:				
<Singapore \$5000	141 (93)	132 (88)	136 (91)	409 (91)
≥Singapore \$5000	10 (7)	18 (12)	13 (9)	41 (9)
Family structure:				
Nuclear	80 (53)	81 (54)	68 (46)	229 (51)
Not nuclear	71 (47)	69 (46)	81 (54)	221 (49)
Had previously breast fed:				
Yes	85 (56)	85 (57)	84 (56)	254 (56)
No	66 (44)	65 (43)	65 (44)	196 (44)
Attended hospital antenatal class:				
Yes	7 (5)	12 (8)	9 (6)	28 (6)
No	144 (95)	138 (92)	140 (94)	422 (94)

*Group 1=standard hospital care; group 2=antenatal breastfeeding education; group 3=postnatal lactation support.

recorded and discussed all instances of protocol violation. Similarly, a research assistant recorded, and the unit monitored, all adverse events. All data were kept confidential and analysis was not performed until completion of the study.

Outcome measures

The primary outcomes were rates of exclusive breast feeding at discharge from the hospital and at two weeks, six weeks, three months, and six months after delivery. We defined exclusive breast feeding as giving breast milk as the only food source, with no other foods or liquids, other than vitamins or medications, being given. The box shows the definitions of the four categories of breast feeding. Secondary outcomes were the frequencies of any breast feeding at each of these intervals.

Follow-up

During the baseline antenatal interview, all mothers answered a standard questionnaire that documented their demographic data, home environment, and experience of breast feeding. They were also given an infant feeding diary. The first postnatal interview was conducted before the women were discharged from the hospital. Detailed data about the intrapartum and immediate postpartum experience, including mode of delivery, birth weight of newborns, and infant feeding in the hospital, were recorded during this interview. The two week and six week interviews were performed either during the women's routine clinic visit for postnatal reviews or via home visits. At these visits, they were asked to fill in a standard questionnaire regarding infant feeding by referring to their diaries. The mothers were subsequently interviewed over the telephone at three months and six months after delivery regarding their breast feeding and weaning practices as recorded in their infant feeding diaries. Rates of exclusive, predominant, partial, and no breast feeding were tracked at all these time points.

Statistical analysis

To calculate sample size, we estimated that at six months 10% in group 1, 15% in group 2, and 25% in group 3 would still be breast feeding. To detect these differences across the three groups with a two sided test

of 5% with 90% power we needed to randomise 450 women equally into the three groups.

The trial data were entered into CLINTRIAL version 4.4 (PhaseForward), specialised software for managing longitudinal trial data. This programme facilitates interactive entry and data correction and maintains consistent and accurate trial data. We used SAS version 9.1 (SAS Institute, Cary, NC, USA) for statistical analyses. We collected descriptive statistics on the breast feeding for the three groups and analysed data on an intention to treat basis. We assessed the pairwise comparisons between the different study groups in their rates of breastfeeding using modified Cox regression analysis¹⁵ to provide the adjusted relative risks and 95% confidence intervals. Significance was set at $P < 0.05$. We carried out primary analyses for all participants who had completed follow-ups, with sensitivity analyses when appropriate.

RESULTS

We recruited 450 women from February 2004 to September 2005, of whom 151 were randomised to receive standard hospital care (group 1), 150 to antenatal education (group 2), and 149 to postnatal lactation support (group 3). Four women were randomised by using backup envelopes because of dysfunction in web randomisation and this resulted in the imbalance in numbers of women per group. Follow-up was completed in May 2006. The figure shows the trial profile, including the number of women lost to follow-up. In total, 367 (82%) completed six months of follow-up, with a similar number lost to follow-up in the three study groups. Baseline characteristics among the three randomised groups were similar (table 1). The three study groups were also similar in the variables related to birth and infant morbidity, including the mode of delivery and the mean birth weight (table 2).

Effect of intervention

Table 3 shows the primary outcome of rates of exclusive breast feeding at the various time points for each group. Compared with the control group, women randomised to postnatal intervention were significantly more likely to breast feed exclusively from two weeks till six months after delivery. At two weeks, 38% (48/128) of women randomised to postnatal intervention were exclusively breast feeding compared with 21% (28/136) of women who received routine hospital care (relative risk 1.82; 95% confidence interval 1.14 to 2.90; number needed to treat=6, 4 to 17). This significant improvement was still present six weeks, three months, and six months after delivery (table 3). At six months, 19% (22/119) of women in the postnatal intervention group were exclusively breastfeeding compared with 9% (11/126) of the women in the control group (2.12; 1.03 to 4.37). For every 11 women who received postnatal lactation support, one exclusively breast fed for six months (number needed to treat=11, 6 to 80).

Women randomised to antenatal education were more likely to exclusively breast feed compared with

Table 2 | Perinatal factors of women by group allocation.* Figures are numbers (percentages) of women unless stated otherwise

	Group 1 (n=138)	Group 2 (n=138)	Group 3 (n=134)	Total (n=410)
Mode of delivery:				
Normal vaginal	105 (76)	104 (75)	103 (77)	312 (76)
Vacuum (ventouse)	3 (2)	3 (2)	4 (3)	10 (3)
Forceps	0	0	1 (1)	1 (0.2)
Caesarean section	30 (22)	31 (22)	26 (19)	87 (21)
Mean (SD) gestational age at birth (weeks)	39.1 (1.3)	39.2 (1.2)	39.4 (1.3)	39.2 (1.3)
Mean (SD) birth weight (g)	3194 (439)	3171 (429)	3171 (411)	3179 (426)

*Group 1=standard hospital care; group 2=antenatal breastfeeding education; group 3=postnatal lactation support. Based on number of women who delivered at the hospital.

the control group only from six weeks postnatally, when 29% (39/133) of women in the antenatal education group were exclusively breastfeeding compared with 17% (23/136) of women receiving routine care (1.73, 1.04 to 2.90; number needed to treat=8, 5 to 41). This significant benefit was also evident at three months and six months after delivery (table 3). At six months, 19% (23/122) of women randomised to receiving antenatal education were exclusively breastfeeding compared with 9% (11/126) of women in the control group (2.16; 1.05 to 4.43). One woman exclusively breast fed for six months for every 10 women who received antenatal breastfeeding education (number needed to treat=10, 6 to 60).

We compared the efficacy of antenatal education and postnatal support with regard to breast feeding and found no significant difference in improvements in the rate of exclusive breast feeding (table 3). However, women who received postnatal support were more likely to either exclusively or predominantly breastfeed their babies at two weeks compared with women who received antenatal education (1.53, 1.01 to 2.31; number needed to treat=7, 4 to 28).

We also assessed the secondary outcome of the rate of any breast feeding. The incidence of any breast feeding was higher in women who received postnatal lactation support than in women in the control group (1.19, 1.05 to 1.36; number needed to treat=8, 5 to 26) at six weeks after delivery (table 4). They were also more likely to breast feed at six weeks compared with women who received antenatal education (1.16, 1.02 to 1.31; number needed to treat=9, 5 to 60). There was no significant difference among the three groups at discharge from hospital, two weeks, three months, and six months after delivery.

Sensitivity analysis

Our primary data analysis was based on women who completed follow-up at the particular time points of data collection. The main reason for loss to follow-up was that we could not contact the women. We performed sensitivity analyses on the assumption that none of the women lost to follow-up were exclusively breast feeding at any time point. With these assumptions, women who received antenatal education were

significantly more likely to be exclusively breast feeding at six weeks (1.71, 1.02 to 2.86), three months (1.84, 1.02 to 3.32), and six months (2.11, 1.03 to 4.32) compared with the women receiving routine care. Women who received postnatal lactation support were also more likely to exclusively breast feed at two weeks (1.74, 1.09 to 2.77) and six weeks (1.76, 1.06 to 2.94) compared with the control group.

DISCUSSION

Antenatal breastfeeding education and postnatal lactation support both significantly improved the rates of exclusive breastfeeding up to six months after delivery compared with routine care in a tertiary hospital setting. While both strategies were effective, postnatal support was marginally more effective than antenatal education in improving breastfeeding practice.

Strengths and weaknesses

This study was rigorously conducted. All the mothers in our study complied with the intervention. Compliance with the assigned interventions was documented in the case record files and monitored by clinical project coordinators. We minimised potential recall bias in maternal self reporting of breastfeeding with infant feeding diaries. Though the study was pragmatic and carried out in a non-research setting in a busy tertiary hospital, we were able to follow good clinical practice guidelines. Women received both antenatal and postnatal interventions in addition to routine ambulatory and inpatient hospital care. All other aspects of management were similar. The findings can therefore be generalised to any setting where women's pregnancy and delivery are managed in a hospital setting. Our primary outcome was rates of exclusive breast feeding up to six months after delivery. The protective effects of breast feeding have been shown to be dose responsive¹⁶⁻¹⁸ and minimal breast feeding may not be protective.¹⁷ Researchers in lactation have advocated that research on promotion of breast feeding must target exclusive breast feeding,¹⁹ and ours is one of the larger randomised controlled trials with this primary outcome.

Most of the women in our study did not attend the optional antenatal classes offered by the hospital. Our

Table 3 | Number (percentage) of women exclusively breast feeding by group allocation*

	Group 1	Group 2	Group 3	Relative risk (95% CI); number needed to treat (NNT) (95% CI)		
				Group 2 v group 1	Group 3 v group 1	Group 3 v group 2
At discharge from hospital	25/138 (18)	27/138 (20)	36/134 (27)	1.08 (0.63 to 1.86), P=0.782	1.48 (0.89 to 2.47), P=0.130	1.37 (0.83 to 2.26), P=0.213
At 2 weeks	28/136 (21)	36/133 (27)	48/128 (38)	1.32 (0.80 to 2.15), P=0.278	1.82 (1.14 to 2.90), P=0.012; NNT=6 (4 to 17)	1.39 (0.90 to 2.13), P=0.139
At 6 weeks	23/136 (17)	39/133 (29)	40/128 (31)	1.73 (1.04 to 2.90), P=0.036; NNT=8 (5 to 41)	1.85 (1.11 to 3.09), P=0.019; NNT=7 (4 to 24)	1.07 (0.69 to 1.66), P=0.777
At 3 months	17/134 (13)	31/127 (24)	29/122 (24)	1.92 (1.07 to 3.48), P=0.030; NNT=9 (5 to 43)	1.87 (1.03 to 3.41), P=0.040; NNT=9 (5 to 60)	0.97 (0.59 to 1.62), P=0.918
At 6 months	11/126 (9)	23/122 (19)	22/119 (19)	2.16 (1.05 to 4.43), P=0.036; NNT=10 (6 to 60)	2.12 (1.03 to 4.37), P=0.042; NNT=11 (6 to 80)	0.98 (0.55 to 1.76), P=0.948

*Group 1=standard hospital care; group 2=antenatal breastfeeding education; group 3=postnatal lactation support. Based on completed follow-up.

Table 4 | Number (percentage) of women breastfeeding at all by group allocation*

	Group 1	Group 2	Group 3	Relative risk (95% CI); number needed to treat (NNT) (95% CI)		
				Group 2 v group 1	Group 3 v group 1	Group 3 v Group 2
At discharge from hospital	131/138 (95)	132/138 (96)	131/134 (98)	1.01 (0.79 to 1.28), P=0.951	1.03 (0.81 to 1.31), P=0.812	1.02 (0.80 to 1.30), P=0.860
At 2 weeks	127/136 (93)	126/133 (95)	126/128 (98)	1.02 (0.79 to 1.20), P=0.909	1.05 (0.82 to 1.35), P=0.675	1.04 (0.81 to 1.33), P=0.761
At 6 weeks	96/136 (71)	97/133 (73)	108/128 (84)	1.03 (0.89 to 1.20), P=0.669	1.19 (1.05 to 1.36), P=0.008; NNT=8 (5 to 26)	1.16 (1.02 to 1.31), P=0.024; NNT=9 (5 to 60)
At 3 months	65/134 (49)	73/127 (58)	71/122 (58)	1.19 (0.85 to 1.66), P=0.320	1.20 (0.86 to 1.68), P=0.289	1.01 (0.73 to 1.40), P=0.941
At 6 months	43/126 (34)	52/122 (43)	48/119 (40)	1.25 (0.83 to 1.87), P=0.281	1.18 (0.78 to 1.78), P=0.426	0.95 (0.64 to 1.40), P=0.783

*Group 1=standard hospital care; group 2=antenatal breastfeeding education; group 3=postnatal lactation support. Based on completed follow-up.

results may not apply to settings where advice on breast feeding or attendance at antenatal classes is part of standard hospital care. The rates of any and exclusive breastfeeding in our control population (group 1) were relatively low at only 34% and 9%, respectively, six months after delivery. Our findings may not be applicable in settings where the baseline breastfeeding practice is better. Statistics from the Infant Feeding 2000 survey, however, suggest that rates of breast feeding in the UK²⁰ are similar to those of Singapore.⁷ Our results were also consistent with the results of PROBIT study in Belarus, in which 36% of women in the control group were breast feeding at all at six months.²¹ Around 90% of the women in our study had monthly household incomes of less than Singapore \$5000 (£1630, €2413, \$3294). Thus, generalisation of the results to populations with higher household incomes may not be appropriate. The recent NICE evidence into practice briefing on promotion of initiation and duration of breast feeding,⁴ however, recommended that education and support should be targeted at women with low incomes to increase rates of exclusive breast feeding.

Our study was not powered to study the differences in the breastfeeding practice among the different ethnic groups. Exploration of race or ethnicity would be useful and may help to determine whether specific subpopulations would benefit differentially from the interventions. This would allow better planning and allocation of resources used for promotion of breast feeding. We also did not examine the women's satisfaction with respect to the various interventions.

Other research

Available literature on the efficacy of interventions to improve rates of exclusive breast feeding is limited and controversial. Although professional lactation support can improve the duration of overall breast feeding, its effect in improving exclusive breast feeding is unclear.^{11 18 22} Thus far, studies that report improvement of rates of exclusive breastfeeding have involved mainly community based peer counselling strategies.²³⁻²⁵ Even then, a randomised trial in the UK recently cast doubt on the efficacy of this approach.²⁶ There are current recommendations from NICE for the UK-wide implementation of the baby friendly initiative.^{4,6} The 2006 NICE costing report on routine postnatal care of women and their

babies estimates that efforts to improve rates of breast feeding will result in substantial cost savings for the NHS.⁶

A randomised trial in Brazil that compared a hospital based protocol (similar to the baby friendly hospital initiative) with another incorporating intensive home visits, however, found that while the protocol achieved high rates of exclusive breast feeding in hospital, the rates fell rapidly thereafter.²⁷ These findings were confirmed in the UK by the millennium cohort study,⁵ and the authors recommended that the baby friendly hospital initiative as a strategy for promotion of breast feeding should be reassessed and that other strategies are required to support mothers in the UK to breast feed for the recommended duration.^{5 27} Although combined antenatal education and postnatal support is ideal, this may be limited by economic or time resources. In one study, prenatal lactation consultant sessions lasted a mean of 111 minutes and postnatal lactation consultations with each woman lasted 139 minutes.¹⁹

Our findings may be applied in most hospital settings to devise policies regarding strategies to promote breast feeding. Lack of breast feeding is significantly associated with higher use and cost of health care.²⁸ Improved short and long term health of breastfed children, improved wellbeing of mothers who have breast fed, and the cost of goods consumed are major factors leading to economic benefits from the promotion of breast feeding.^{6 29-31} Future research should compare the specific cost effectiveness of such strategies for improvement of breastfeeding practice.

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Contributors: Y-SC and L-LS developed the study concept and design, wrote grant applications, supervised the study, interpreted the results, and wrote the paper with help from YSC and MR. Y-SC is guarantor. DF and K-TT advised on the study design, coordinated the study, liaised with participants, entered data, and monitored the trial. Y-HC and FSPN advised on the selection and conduct of statistical tests, and the interpretation of the results. All authors contributed to and approved the final draft.

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Ethical approval: Institutional Review Board of the Yong Loo Lin School of Medicine, National University of Singapore.

Provenance and peer review: Non-commissioned, externally peer reviewed.

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WHAT IS ALREADY KNOWN ON THIS TOPIC

Various forms of education on breast feeding are effective but only by increasing rates of initiation of breast feeding

While there is evidence for the effectiveness of professional lactation support in prolonging duration of breast feeding, the strength of its effect on the rate of exclusive breast feeding is unclear

WHAT THIS STUDY ADDS

Hospital based antenatal education on breast feeding and postnatal lactation support both significantly improve rates of exclusive breast feeding for up to six months after birth

Postnatal lactation support is marginally more effective than antenatal education

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