Innovative Prenatal Breastfeeding Education Curriculum: Ready, Set, BABY

Kathleen C. Parry, MPH, IBCLC1; Kristin P. Tully, PhD1; Sara L. Moss, MPH, RD2; Catherine S. Sullivan, MPH, RD, IBCLC1

INTRODUCTION

Children’s first food lays the foundation for health, growth, and development. Exclusive breastfeeding (BF) provides the nourishment, hydration, and immunological protection for optimal growth and development in the first 6 months of life and can also be empowering for women while reducing their risk of a variety of morbidities. Leading health organizations recommend that infants exclusively breastfeed for 6 months and continue to breastfeed through at least 12–24 months. However, current rates of BF in the US are far below recommended levels; only 22.3% of infants are exclusively breastfed at 6 months and only 30.7% still receive mothers’ milk at age 1 year. Furthermore, significant BF disparities persist with Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)-eligible populations compared with women with greater resources. The Baby-Friendly Hospital Initiative (BFHI) is a global effort to increase BF rates. At the core of BFHI are the Ten Steps to Successful Breastfeeding (10 Steps). As of June 2017, 21.3% of live births in the US took place in facilities that practiced all of the 10 Steps, as measured in the Healthy People 2020 Objectives. The US Surgeon General’s Call to Action to Support Breastfeeding includes increased uptake of the 10 Steps to promote patient-centered care, to enable more families to realize their infant feeding goals. Step 3 of the 10 Steps requires all pregnant women to be educated about the benefits and management of BF. The Ready, Set, BABY (RSB) curriculum satisfies the requirements for Step 3. Ready, Set, BABY facilitates an interactive, conversational approach. Open-ended questions are employed to engage the mother and allow the education to be tailored. This partnership model of communication is recommended by the American College of Obstetrics and Gynecology and provides the critical interpersonal support associated with improved BF rates. Details of the development are available online. This GEM presents the current version of the RSB curriculum and an evaluation, with links to free resources.

READY, SET, BABY CURRICULUM

The RSB curriculum, shown in Figure 1 and Figure 2, is a noncommercial set of BF educational materials intended for use with pregnant women in any trimester. It reflects current recommendations for prenatal education from the BFHI and the Academy of Breastfeeding Medicine and provides additional information pertinent to mothers’ maternity care experiences based on literature exploring why US BF women prematurely supplement or wean. The curriculum was developed using an iterative process involving input from lactation consultants, BF researchers, maternal and child health students, and health educators between 2011 and 2015. North Carolina WIC was involved after development of the current version. The materials consist of a 28-page color patient booklet with a matching educator flip chart for use by providers or educators in group classes or individual counseling sessions. The flip chart offers open-ended questions and suggested text to facilitate dialogue with mothers and families, or among groups regarding perinatal experiences such as skin-to-skin contact, rooming-in, and BF. The materials were downloaded by >800 unique individuals at the time of publication.

In a pilot study, 416 mothers from 7 sites were surveyed before and after RSB. Maternal participation significantly improved Infant Feeding Intention Scale scores (P < .001), a known predictor of BF initiation, duration, and exclusivity. Participation in RSB also significantly increased knowledge of 4 recommended maternity care practices (P < .001) (K. C. Parry, MPH, IBCLC; unpublished data; May 4, 2017). Using a protocol intended to obtain subjective feedback about their impression of RSB, improvements suggested, acceptability by patients, etc, educators at each pilot site were interviewed by phone in 2015 by KCP. The interviewees served a variety of populations in settings ranging from a rural community clinic to an urban teaching hospital in the US and Puerto Rico.
or other incentives for mothers, and referring to RSB as a meeting rather than a class. Other barriers to implementing RSB were the lack of dedicated staff time, funding constraints to printing the free materials, and limited time to add new content within existing appointments.

Ready, Set, BABY implementation is feasible in local offices or across health care systems. In North Carolina, the state WIC office offered 4 regional RSB trainings for WIC staff in summer 2016 and made materials available for local WIC agencies to order from the state office at no charge under a US Department of Agriculture grant.

Effective prenatal education to satisfy Step 3 and optimally serve families requires collaboration among hospitals, prenatal clinics, health departments, and WIC agencies. Ready, Set, BABY is an easy-to-use, free set of educational materials for counseling prenatal women on BF and interrelated perinatal health processes. WIC offices and educators in other prenatal settings are using these new materials to augment ongoing programs and materials. Along with other resources, RSB may help support women to engage fully in learning about the benefits and management of BF and the importance of exclusive BF.

NOTES

All parts of this study were determined to be exempt by the University of North Carolina at Chapel Hill’s Non-Biomedical Institutional Review Board (#14-2271). Ready, Set, BABY is freely available online (http://breastfeeding.sph.unc.edu/prenatal-breastfeeding-education-tools-and-recommendations-for-action-links/) in English or Spanish for downloading, printing, and use. A 2-part online training is also provided, as well as wall posters for waiting areas and an implementation guide to facilitate planning and execution. The development and study of the curriculum is supported by the W.K. Kellogg Foundation.

REFERENCES


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**Programs and Services Offered by USDA’s Food and Nutrition Services**

**Food Distribution Programs:**
- Commodity Supplemental Food Program (CSFP)
- Food Distribution Program on Indian Reservations (FDPIR)
- The Emergency Food Assistance Program (TEFAP)

**Child Nutrition Programs:**
- Child and Adult Care Food Program (CACFP)
- National School Lunch Program (NSLP)
- School Breakfast Program (SBP)
- Special Milk Program (SMP)
- Summer Food Service Program (SFSP)

**Supplemental Nutrition Assistance Programs (SNAP)**

**Women, Infants, and Children (WIC)**
- Farmers’ Market Nutrition Program (FMNP)
- Senior Farmers’ Market Nutrition Program (SFMNP)
CONFLICT OF INTEREST

The authors have not stated any conflicts of interest.