Breastfeeding:  
The Infant Feeding Practice

by Linda C. McGrath, PhD, CHES, IBCLC, LLLL, and Vincent R. McGrath, EdD

What if scientists created a product that would protect infants from developing chronic illnesses such as asthma, diabetes, obesity, respiratory infections and ear infections? What if this product could protect infants from developing allergies? What if this same product would also protect mothers from developing breast, ovarian and other types of cancers? What if this product could be used without any of our energy resources and could be used at all times, even in times of natural disasters? What if several billion healthcare dollars could be saved by using this product? What if nature creates a product that encompasses these qualities?

She has, and this product is a mother’s milk.

Healthy People

Healthy People is a federal initiative updated every 10 years since 1989 by the Department of Health and Human Services in cooperation with healthcare agencies to improve the quality of our nation’s health by producing a framework for public health prevention priorities and actions. Breastfeeding objectives are critical parts of Healthy People to improve maternal and child health. These objectives are: 75 percent of mothers breastfeeding at the time of hospital discharge, 50 percent breastfeeding at six months and 25 percent at the end of the first year.

Healthy People 2020 aims to increase these rates to 81.9 percent initiating breastfeeding, 23.7 percent breastfeeding exclusively through six months, and 34.1 percent continuing at one year. If these objectives were realized, there would be more than four billion dollars saved in healthcare costs. Families would experience lower medical costs as a result of fewer incidences of chronic illnesses in their children. Respiratory and ear infections would seldom occur in infants.

With fewer visits to doctors, working mothers would have fewer days and hours absent from work. Mothers would lower their risks of developing breast cancer and other types of cancers. Healthy physical and emotional development in both mothers and infants would be noticed with mothering through breastfeeding.

Infant Nutrition

A mother’s milk has every vitamin, mineral and other nutritional element that her baby’s body needs, including many that haven’t been discovered or named yet, and it changes subtly through the meal, day and year, to match subtle changes in her baby’s requirements.

The components in breast milk are in the right composition to be easily absorbed and utilized by the baby for normal growth and development. At no other time in life can a complete source of nourishment be contained in one food source as it is in breast milk.

The growth hormones, which are necessary and can only be found in breast milk, encourage and enhance a strong development in the baby’s organs, especially with the brain. All the types of nutrients that are needed to complement the human brain can only be found in breast milk.
Infant Health

The first milk is colostrum and contains high amounts of immunoglobulins to compensate for the baby's immature immune system. Colostrum should be recognized as the baby's first vaccine. If a mother gets sick, her body will naturally produce antibodies to fight the infection. These antibodies are then transferred through the breast milk to her baby, who will either not get sick or will have a milder case of the illness. If the baby gets ill, the mother's body will produce antibodies for the illness and transfer the antibodies through her milk. The baby will recover faster, and continued breastfeeding can help prevent dehydration in the baby.

Employed mothers who breastfeed report fewer work days missed and fewer doctor visits with sick babies. Breastfed babies seldom get constipated or have diarrhea, ear infections and respiratory illnesses, because breast milk has all the right components in just the right amounts for infant growth and development. Breastfeeding has now been associated with lower risks of both type 1 and type 2 diabetes and Sudden Infant Death Syndrome (SIDS).

Maternal Health

Mothers who breastfeed have a lower risk of breast, uterine and cervical cancers. Most diabetic mothers who used breastfeeding as the infant feeding practice have required less insulin.

Because lactation is the next stage of female development after pregnancy and childbirth, mothers who breastfeed experience less bleeding, a return to the prenatal body shape and some weight-loss more naturally. With the first six months of exclusive breastfeeding, the return of fertility can be delayed which allows the mother's body time to heal. Natural child spacing with breastfeeding is a science that more mothers are learning and practicing.

Breastfeeding, Obesity and Other Metabolic Conditions

There are many explanations to describe the link between infant feeding practices and obesity, which have been documented through research. Research reports that the risk factors of obesity are bottle-feeding, a maternal body mass index (BMI) above 27, maternal smoking during pregnancy and more.

Regulating Feeding

The baby is in control of the amount of milk taken at each feeding. The feeling of satiety (fullness) is developed and learned, which is so necessary for future weight gain. With bottle feeding, the caretaker is in control and usually ensures that the amount in the bottle is taken. This is the beginning of force feeding and can interfere with the natural development of satiety in the baby.

As stated before, the hormone leptin in breast milk regulates appetite and is found in high levels in breastfed babies. It is now being researched as a preventive component for obesity. Research documents that children who were breastfed, as recommended by the American Academy of Pediatrics, have a lower risk of being overweight and obese.

The high amounts of immunological components in breast milk enhance the maturation of the infant immune system. At birth, the infant depends on passive immunity through breast milk for protection. The transfer of antibodies through breastfeeding stimulates response in the infant's immune system.

At no other time in life can one food source offer total nourishment and protection from pathogens, support emotional needs and complement total growth and development. These positive effects with breastfeeding are dose-dependent, and the introduction of breast milk substitutes in the first six months of life is associated with a higher risk of ill health and premature weaning.
Conclusion

Yes, if the United States becomes a society that encourages, supports and protects breastfeeding as the appropriate infant feeding practice, infants would receive the healthiest start in life and their birth right – mother’s milk. Human nurturing, a unique lifetime bonding that exists between a breastfeeding mother and her child, would be encouraged, supported and protected by all professionals and agencies serving families. Images of a baby at the breasts would be acceptable and natural, and the plastic bottle would be replaced as the icon for infant care.

Exclusive breastfeeding for six months, with extended breastfeeding beyond the first year, is recognized as the appropriate infant feeding practice by the American Academy of Pediatrics and other major healthcare academies, and is listed as a critical strategy in reversing this trend of chronic ill health in children.

For more information on Healthy People 2020, visit www.healthypeople.gov. To locate healthcare providers and knowledgeable breastfeeding support personnel that can offer assistance and answer questions about breastfeeding, visit United States Breastfeeding Committee at www.usbreastfeeding.org. For information about the most recent data on breastfeeding rates in the United States, visit www.cdc.gov/breastfeeding.

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References:


Building a Coalition of those Affected

The OAC is the **ONLY** non-profit organization whose sole focus is helping those affected by obesity. The OAC is a great place to turn if you are looking for a way to get involved and give back to the cause of obesity.

There are a variety of ways that you can make a difference, but the first step is to become an OAC Member. The great thing about OAC Membership is that you can be as involved as you would like. Simply being a member contributes to the cause of obesity.

**Why YOU Should Become an OAC Member**

Quite simply, because the voice of those affected needs to be built! The OAC not only provides valuable public education on obesity, but we also conduct a variety of advocacy efforts. With advocacy, our voice must be strong. And, membership is what gives the OAC its strong voice.

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**Membership Categories and Benefits**

The OAC wants YOU to be a part of what we do. No matter how you’re impacted, having individuals join our efforts who believe in making a difference is essential. That’s why the OAC offers various member categories, so you can get involved at your desired level.

Several valuable benefits also accompany your OAC membership. Each membership category offers something different. Here are some of the core benefits to membership:

- Official welcome letter and membership card
- Annual subscription to the OAC’s magazine
- Subscription to the OAC’s members-only monthly electronic newsletter
- Periodic member alerts informing you of issues that need action/attention
- Ability to lend your voice to the cause
- Representation through advocacy

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**MEMBERSHIP**

- **Individual Member:** $20/year
- **Professional Member:** $50/year
- **Physician Member:** $150/year
- **Institutional Member:** $500/year
- **Chairman’s Council:** $1,000 and up/year

**Please indicate areas where you would like to serve the OAC:**
- Serve on an OAC committee
- Help fundraise
- Advocacy
- Educational outreach

**Payment Information**

Enclosed is my check (payable to the OAC) for $__________.

Please charge my credit card for my membership fee:
- Discover®
- MasterCard®
- Visa®
- Amex®

- Please sign me up for auto-renewal so my membership will automatically renew each year (only for credit card transactions).

Credit Card Number: ________________
Expiration Date: ________________
Billing Zip Code: ________________

**Mail to:**
OAC
4511 North Himes Ave., Ste. 250
Tampa, FL 33614

**Or Fax to:** (813) 873-7838

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JOIN NOW

Complete the membership application now!
Or, Just Scan the Code to the left Using Your Barcode Scanner App on Your Smartphone!
For more information, visit the OAC Web site at [www.obesityaction.org](http://www.obesityaction.org).