LACTOR (Interactive Web-based Breastfeeding Monitoring System)

An interactive computer system and mobile application provide remote, real-time troubleshooting and access to lactation consultants to support mothers with breastfeeding challenges.

The NIH states that breast milk contains all the necessary and important nutrients for infants to develop into healthy toddlers. Breast milk contributes to the infants immune system, as well as has health benefits for the mother. According to the CDC, in 2010, rates of breastfeeding at three, six, and twelve months are stagnant and low. Experts believe the numbers are lower than preferred due to obstacles that mothers have difficulty overcoming.

Purdue University researchers have developed an interactive system to help determine breastfeeding problems. The easy-to-use computer system has a log for mothers to track and record behavior, as well as, suggestions to help when computer log senses there is a problem. The system was designed by the school of Nursing and the Cyber Center. The lactation consultant can follow the mother's progress and address recurring or difficult problems. A LACTOR mobile application was created for easy, quick access for a mother who is not near a computer.

Advantages:

- Real-time solutions for breast-feeding mothers

- Access to a lactation consultant from home

- Easy access from anywhere with internet connection

TRL: 7

Intellectual Property:

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Keywords: breastfeeding support, lactation consultant access, mobile breastfeeding app, LACTOR, infant nutrition tracking, real-time lactation

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solutions, virtual lactation support, breast-feeding log, mother and baby health, interactive feeding system

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