# DNN CDC Survey of Maternity Practices in Infant Nutrition and Care <br> MPINC <br> 13 Survey <br> Massachuselis Resulis Report 

What is the The Maternity Practices in Infant Nutrition and Care (mPINC) Survey mPINC Survey?
is a national survey from the Centers for Disease Control and Prevention (CDC) that assesses infant feeding care processes, policies, and staffing expectations in maternity care settings.

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\text { What is in } & \text { This report summarizes results from all Massachusetts facilities that } \\
\text { this report? } & \begin{array}{l}
\text { participated in the } 2013 \text { mPINC Survey and identifies opportunities } \\
\text { to improve mother-baby care at hospitals and birth centers and } \\
\text { related health outcomes throughout Massachusetts. }
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survey?

Massachusetts' mPINC Score:


#### Abstract

Who participates All hospitals with maternity services and all free-standing birth in the mPINC centers in the United States are invited to participate in CDC's mPINC survey every two years.


In Massachusetts, $94 \%$ of 47 eligible facilifies participated in CDC's 2013 mPINC Survey.

## Massachusetts Highlights: Strengths



Provision of Breastfeeding Advice and Counseling
Staff at all (100\%) facilities in Massachusetts provide breastfeeding advice and instructions to patients who are breastfeeding, or intend to breastfeed.

Availability of Prenatal Breastfeeding Instruction
All facilities (100\%) in Massachusetts include breastfeeding education as a routine element of their prenatal classes.

The American Academy of Pediatrics (AAP) recommends pediatricians provide patients with complete, current information on the benefits and methods of breastfeeding to ensure that the feeding decision is a fully informed one. Patient education is important in order to establish breastfeeding.

Prenatal education about breastfeeding is important because it provides mothers with a better understanding of the benefits and requirements of breastfeeding, resulting in improved breastfeeding rates.

## Massachusetts Highlights: Opportunities for Improvement



## Appropriate Use of Breastfeeding Supplements

Only $21 \%$ of facilities in Massachusetts adhere to standard clinical practice guidelines against routine supplementation with formula, glucose water, or water.

## Inclusion of Model Breastfeeding Policy Elements

Only $41 \%$ of facilities in Massachusetts have comprehensive breastfeeding policies including all model breastfeeding policy components recommended by the Academy of Breastfeeding Medicine (ABM).


Provision of Hospital Discharge Planning Support
Only 27\% of facilities in Massachusetts provide hospital discharge care including a phone call to the patient's home, opportunity for follow-up visit, and referral to community breastfeeding support.
Use of Combined Mother/Baby Postpartum Care Only 34\% of facilities in Massachusetts report that most healthy full-term infants remain with their mothers for at least 23 hours per day throughout the hospital stay.

The American Academy of Pediatrics (AAP) and the American College of Obstetricians and Gynecologists (ACOG) Guidelines for Perinatal Care recommend against routine supplementation because supplementation with formula and/or water makes infants more likely to receive formula at home and stop breastfeeding prematurely.

The ABM model breastfeeding policy elements are the result of extensive research on best practices to improve breastfeeding outcomes. Facility policies determine the nature of care that is available to patients. Facilities with comprehensive policies consistently have the highest rates of exclusive breastfeeding, regardless of patient population characteristics such as ethnicity, income, and payer status.

The American Academy of Pediatrics (AAP) clinical practice guidelines recommend examination of the newborn by a qualified health care professional within 48 hours of hospital discharge in order to assess breastfeeding. Ensuring post discharge ambulatory support improves breastfeeding outcomes.

Mother-infant contact during the hospital stay helps establish breastfeeding and maintain infant weight, temperature, and health. Rooming-in increases breastfeeding learning opportunities without affecting duration and quality of maternal sleep, and reduces supplemental feeds.

## Breastfeeding is a public health priority.

Breastfeeding is associated with decreased risk for infant morbidity and mortality as well as maternal morbidity,' and provides optimal infant nutrition. Healthy People $2020^{2}$ establishes breastfeeding initiation, continuation, and exclusivity as national priorities.

## Changes in maternity care practices improve breastfeeding rates.

There are many opportunities to protect, promote, and support breastfeeding in Massachusetts. Opportunities such as those listed below can help bring ideal maternity care practices to all Massachusetts hospitals.

## Change opportunities:

Examine Massachusetts regulations for maternity facilities and evaluate their evidence base.Sponsor a Massachusetts-wide summit of key decision-making staff at maternity facilities to highlight the importance of evidence-based practices for breastfeeding.
Encourage and support hospital staff across Massachusetts to be trained in providing care that supports mothers to breastfeed.
Establish links among maternity facilities and community breastfeeding support networks in Massachusetts.

Implement evidence-based practices in medical care settings across Massachusetts that support mothers' efforts to breastfeed.

Integrate maternity care into related hospital-wide Quality Improvement efforts across Massachusetts.

Promote utilization of the Joint Commission's Perinatal Care Core Measure Set including exclusive breast milk feeding at hospital discharge in Massachusetts hospital data collection systems.

## Questions about the mPINC survey?

Information about the mPINC survey, results, reports, scoring, and history is at: www.cdc.gov/mpinc
For more information:
Centers for Disease Control and Prevention
Division of Nutrition, Physical Activity, and Obesity Atlanta, GA USA

Massachusetts' 2013 Survey Results


* Quality Practice scores range from o to 100 for each question, dimension of care, facility, and state. The highest, best possible score for each is 100 . Each facility and state's "Total Score" is made up of subscores for practices in each of 7 dimensions of care.
$\dagger$ Ranks range from 1 to 53 , with 1 being the highest rank. In case of a tie, both are given the same rank. State ranks are not shown for survey questions with $90 \%$ or more facilities reporting ideal responses.


## References


 ${ }^{3}$ DiGirolamo AM, Grummer-Strawn LM, Fein S. Effect of maternity care practices on breastfeeding. Pediatrics 2008;122, Supp 2:S43-9.


