

2013 Survey

CDC Survey of Maternity Practices in Infant Nutrition and Care

Massachusetts Results Report



mPINC Survey?

What is the The Maternity Practices in Infant Nutrition and Care (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.

this report?

This report summarizes results from all Massachusetts facilities that participated in the 2013 mPINC Survey and identifies opportunities to improve mother-baby care at hospitals and birth centers and related health outcomes throughout Massachusetts.

Who participates in the mPINC survev?

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

Massachusetts mPINC Score



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.

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.



Availability of Prenatal Breastfeeding Instruction

All facilities (100%) in Massachusetts include breastfeeding education às a routine element of their prenatal classes.

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.

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.



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).

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.



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.

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.



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.

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,¹ 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

November 2014

Massachusetts' 2013 Survey Results

84 Sto	ate mF	nusetts' Massachus PINC Score State mPINC I	Rank	6
mPINC Care	of 100)* Care Dimension Subscore*	Ideal Pagnanga to mPINC Survey Quartien	(out of 53) [†] Percent of MA Facilities with Ideal	Item Rank [†]
Difficition	2002COLE	Ideal Response to mPINC Survey Question	Response	_
Labor and Delivery Care	88	Initial skin-to-skin contact is at least 30 min w/in 1 hour (vaginal births) Initial skin-to-skin contact is at least 30 min w/in 2 hours (cesarean births)	82	14 9
		Initial breastfeeding opportunity is w/in 1 hour (vaginal births)	72 73	12
		Initial breastfeeding opportunity is w/in 2 hours (cesarean births)	81	4
		Routine procedures are performed skin-to-skin	57	11
Feeding of Breastfed Infants	90	Initial feeding is breast milk (vaginal births)	96	11
		Initial feeding is breast milk (cesarean births)	96	
		Supplemental feedings to breastfeeding infants are rare		
		Water and glucose water are not used	21	32
		Infant feeding decision is documented in the patient chart	93	
Breast- feeding Assistance	93	,	98	
		Staff provide breastfeeding advice & instructions to patients	100	
		Staff teach breastfeeding cues to patients	98	
		Staff teach patients not to limit suckling time	82	6
		Staff directly observe & assess breastfeeding	100	
		Staff use a standard feeding assessment tool	84	5
		Staff rarely provide pacifiers to breastfeeding infants	57	13
Contact Between Mother and Infant	79	Mother-infant pairs are not separated for postpartum transition	80	21
		Mother-infant pairs room-in at night	86	27
		Mother-infant pairs are not separated during the hospital stay	34	29
		Infant procedures, assessment, and care are in the patient room	19	11
		Non-rooming-in infants are brought to mothers at night for feeding	84	44
Facility Discharge Care	75	Staff provide appropriate discharge planning (referrals & other multi-modal support)	27	34
		Discharge packs containing infant formula samples and marketing products are not given to breastfeeding patients	100	
Staff Training	76	New staff receive appropriate breastfeeding education	35	8
		Current staff receive appropriate breastfeeding education	33	16
		Staff received breastfeeding education in the past year	76	9
		Assessment of staff competency in breastfeeding management & support is at least annual	75	8
Structural & Organizational Aspects of Care Delivery	85	Breastfeeding policy includes all 10 model policy elements	41	8
		Breastfeeding policy is effectively communicated	93	
		Facility documents infant feeding rates in patient population	96	
		Facility provides breastfeeding support to employees	86	5
		Facility does not receive infant formula free of charge	32	19
		Breastfeeding is included in prenatal patient education	100	
		Facility has a designated staff member responsible for coordination of lactation care	86	5

^{*} Quality Practice scores range from 0 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.

References

[†] 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.

¹ Ip S, Chung M, Raman G, et al. Breastfeeding and maternal and infant health outcomes in developed countries. Rockville, MD: US Dept of Health and Human Services, Agency for Healthcare Research and Quality; 2007.
² US Dept of Health and Human Services. Healthy People 2020 Summary of Objectives: Maternal, Infant, and Child Health. Available at http://www.healthypeople.gov/2020/topicsobjectives2020/pdfs/MaternalChildHealth.pdf

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

Fairbank L, O'Meara S, Renfrew MJ, Woolridge M, Snowden AJ, Lister-Sharp D. A systematic review to evaluate the effectiveness of interventions to promote the initiation of breastfeeding. Health Technology Assessment 2000;4:1-171.