

Who participates in the mPINC survey?

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.



Tennessee, 85% of 68 eligible facilities participated in CDC's 2013 mPINC Survey

### Tennessee Highlights: Strengths

<b>Documentation of Mothers' Feeding Decisions</b> Staff at all (100%) facilities in Tennessee consistently ask about and record mothers' infant feeding decisions.	Standard documentation of infant feeding decisions is important to adequately support maternal choice.
<b>Provision of Breastfeeding Advice and Counseling</b> Staff at 93%) facilities in Tennessee 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.

### Tennessee Highlights: Opportunities for Improvement

5	Appropriate Use of Breastfeeding Supplements Only 19% of facilities in Tennessee 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 16% of facilities in Tennessee 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.
	<b>Protection of Patients from Formula Marketing</b> Only 42% of facilities in Tennessee adhere to clinical and public health recommendations against distributing formula company discharge packs.	Distribution of discharge packs contributes to premature breastfeeding discontinuation. The ACOG, AAP, American Public Health Association (APHA), and the federal Government Accountability Office (GAO) all identify this practice as inappropriate in medical environments and recommend against it.
5	<b>Provision of Hospital Discharge Planning Support</b> Only 17% of facilities in Tennessee 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.





Breastfeeding is associated with decreased risk for infant morbidity and mortality as well as maternal morbidity,<sup>1</sup> and provides optimal infant nutrition. *Healthy People 2020*<sup>2</sup> 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 Tennessee. Opportunities such as those listed below can help Tennessee bring ideal maternity care practices to *all* Tennessee hospitals.

### Change opportunities:

- Examine Tennessee regulations for maternity facilities and evaluate their evidence base.
- Sponsor a Tennessee-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 Tennessee to be trained in providing care that supports mothers to breastfeed.
- Establish links among maternity facilities and community breastfeeding support networks in Tennessee.
- Implement evidence-based practices in medical care settings across Tennessee that support mothers' efforts to breastfeed.
- Integrate maternity care into related hospital-wide Quality Improvement efforts across Tennessee.
- Promote utilization of the Joint Commission's Perinatal Care Core Measure Set including exclusive breast milk feeding at hospital discharge in Tennessee hospital data collection systems.

**Questions** about the mPINC survey?

Information about the mPINC survey, results, reports, scoring, and history is at: <u>www.cdc.gov/mpinc</u>

For more information:

Centers for Disease Control and Prevention Division of Nutrition, Physical Activity, and Obesity Atlanta, GA USA November 2014

## Tennessee's 2013 Survey Results

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mPINC Care Dimension		Ideal Response to mPINC Survey Question	Percent of TN Facilities with Ideal Response	ltem Rank
	69	Initial skin-to-skin contact is at least 30 min w/in 1 hour (vaginal births)	57	45
Labor and Delivery Care		Initial skin-to-skin contact is at least 30 min w/in 2 hours (cesarean births)	44	44
		Initial breastfeeding opportunity is w/in 1 hour (vaginal births)	52	46
		Initial breastfeeding opportunity is w/in 2 hours (cesarean births)	52	38
		Routine procedures are performed skin-to-skin	26	44
	80	Initial feeding is breast milk (vaginal births)	65	48
Feeding of Breastfed		Initial feeding is breast milk (cesarean births)	59	46
Infants		Supplemental feedings to breastfeeding infants are rare	19	40
		Water and glucose water are not used	85	34
	82	Infant feeding decision is documented in the patient chart	100	
		Staff provide breastfeeding advice & instructions to patients	93	
Breast-		Staff teach breastfeeding cues to patients	90	
feeding		Staff teach patients not to limit suckling time	42	46
Assistance		Staff directly observe & assess breastfeeding	81	40
		Staff use a standard feeding assessment tool	66	37
		Staff rarely provide pacifiers to breastfeeding infants	29	43
		Mother-infant pairs are not separated for postpartum transition	54	46
Contact		Mother-infant pairs room-in at night	82	39
Between Mother and	70	Mother-infant pairs are not separated during the hospital stay	32	34
Infant		Infant procedures, assessment, and care are in the patient room	4	39
		Non-rooming-in infants are brought to mothers at night for feeding	87	34
Facility Discharge	39	Staff provide appropriate discharge planning (referrals & other multi-modal support)	17	47
Care		Discharge packs containing infant formula samples and marketing products are not given to breastfeeding patients	42	47
		New staff receive appropriate breastfeeding education	6	48
Staff		Current staff receive appropriate breastfeeding education	23	30
Training		Staff received breastfeeding education in the past year	61	24
		Assessment of staff competency in breastfeeding management & support is at least annual	72	11
		Breastfeeding policy includes all 10 model policy elements	16	41
		Breastfeeding policy is effectively communicated	79	27
Structural &	tural &	Facility documents infant feeding rates in patient population	74	33
Organizational Aspects of	69	Facility provides breastfeeding support to employees	63	39
Care Delivery	-05_	Facility does not receive infant formula free of charge	7	47
		Breastfeeding is included in prenatal patient education	90	
		Facility has a designated staff member responsible for coordination of lactation care	62	40

\* 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.

† 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

<sup>1</sup>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.

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

<sup>4</sup> 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.