



## Maternity Practices in Infant Nutrition and Care

2020

Public reporting burden of this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing burden to CDC, Reports Clearance Officer, 1600 Clifton Road, MS D-74, Atlanta, GA 30333, ATTN: PRA (0920-0743). Do not send the completed form to this address.

Form Approved  
OMB #0920-0743  
EXP.DATE: 10/31/2021

### **System use notification:**

This warning banner provides privacy and security notices consistent with applicable federal laws, directives, and other federal guidance for accessing this Government system, which includes all devices/storage media attached to this system. This system is provided for Government-authorized use only. Unauthorized or improper use of this system is prohibited and may result in disciplinary action and/or civil and criminal penalties. At any time, and for any lawful Government purpose, the government may monitor, record, and audit your system usage and/or intercept, search and seize any communication or data transiting or stored on this system. Therefore, you have no reasonable expectation of privacy. Any communication or data transiting or stored on this system may be disclosed or used for any lawful Government purpose.

**About this survey:**

The Centers for Disease Control and Prevention (CDC) invites you to participate in a national survey of newborn feeding practices at hospitals in the United States and Territories that provided maternity care in the past year. The survey is being conducted for CDC by Battelle Health & Analytics, a national survey and research organization with extensive experience in the collection of health data. Participation of every hospital providing maternity care makes this survey representative of all maternity care hospitals in the United States and Territories. If your hospital provided maternity care at multiple locations, only report data for the specific physical location listed in your email invitation.

Your participation in the survey is completely voluntary. We will mail a hard copy of your hospital's results to four (4) leadership positions at your hospital. These positions are the Director of Hospital Quality Improvement, Obstetrics Medical Director, Pediatrics Medical Director, and the Nurse Manager for Mother Baby Services.

Prior to submitting the survey, you will have the opportunity to provide your contact information so that you, the survey recipient, will receive one (1) electronic copy of your hospital's results. Providing your contact information is voluntary; results will be mailed to your hospital if you do not provide an email address. Your contact information will in no way be connected to survey responses or scores.

**How long will this survey take to complete?**

The survey will take about 30 minutes to complete.

**How will this information be used?**

The purpose of this survey is to learn about newborn feeding practices at hospitals in the United States and Territories. After data collection is complete, your hospital will receive an individualized report containing a summary of survey results. Data will also be used to generate state-specific reports, national aggregate data tables, and may be used to answer other questions. Data may be released for additional approved purposes and may be shared with state health departments for the development of public health programs. Information from this survey will also assist CDC with program planning.

**Are our survey responses kept confidential?**

Your responses will be treated in a secure manner and will not be disclosed unless required by law. Your name, hospital name, and any other personal identifiers will not be included in either oral or written presentation of survey results. Responses will only be reported in summary form so individual responses cannot be identified.

**Survey Instructions:**

Thank you for participating in this survey. You have been identified as the survey recipient for your hospital, which means that only you have access to the unique link to complete and submit the 2018 mPINC survey for your hospital.

We are asking you to fill out the survey with data from the most recent calendar year (January 1, 2017 – December 31, 2017) or your hospital's fiscal year. Unless otherwise specified, questions on the survey are asking about healthy newborns who are discharged to home (i.e., not transferred or admitted to the Special Care Nursery (SCN) or Neonatal Intensive Care Unit (NICU)).

This survey contains 6 core sections and an additional section for hospitals with an SCN or NICU. Each section should be completed by the most knowledgeable and appropriate staff. For example, the Mother-Baby Unit supervisor may be better able to answer one section, while the Lactation Services coordinator or NICU nurse manager may be better able to complete another section. See the table below for a list of people who may be helpful with completing different sections of the survey.

**Titles of staff who may be appropriate to fill out sections of the survey include:**

Mother-Baby Unit Manager / Supervisor	
Labor and Delivery Unit Manager / Supervisor	
Lactation Services Coordinator / Lactation Specialist	
NICU Nurse Manager	
Staff nurse	
Database Manager / Coordinator	
Maternal and Child Health Physician Leaders	

Some questions ask you to enter exact percentages; however, if your hospital does not formally track this information, please provide your best estimate.

Click [here](#) to download a blank copy of the survey. This version should only be used as a worksheet to record responses prior to entering and submitting them online. No paper copies of the survey will be accepted.

You may wish to work on this survey over a period of time, particularly if it will be completed by multiple staff. You can view all sections and pages in the survey and you may go back and forth and edit responses as needed. Your responses will only be saved after you have clicked **Next** at the bottom of the page. If you cannot complete the survey all at one time, click **Save**, and return at a later time. When you return, you may continue where you left off. Before submitting you will be able to review the questions and your answers. You will be notified before your final submission if you have missed any items.

#### Survey Tips:

- Click [here](#) to download/print the survey.
- Move between sections of the survey on the **Table of Contents** page by clicking to the right of the section and then clicking **Next**.
- To move back and forth between questions within a section use the **Next** and **Previous** buttons.
- Do not click on your browser's back or forward button while taking the survey.
- Throughout the survey there will be pop-ups providing you with definitions and explanations; access these by hovering your mouse over the underlined text.

#### What to do if you have questions:

If you have any questions about the survey, please call the Battelle Survey Line toll free at 1 (866) 826-4176. If you have any questions about your rights as a research participant, please contact the Human Protections Administrator of the Battelle Institutional Review Board toll free at 1 (877) 810-9530 ext. 500.

#### What to do when you have completed the survey:

When you get to the end of the survey, you can review your answers. When you are satisfied with your answers, return to the table of contents and click **Complete Survey**. This action will send the survey to a secure database. Once you have submitted the survey, you will not be able to return to the survey. You will have the opportunity to download a completed copy of the survey for your records after it is submitted. Please note that you must select **Complete Survey** to complete the survey process and receive a Benchmark Report for your hospital. Surveys that are not submitted are considered incomplete and will not be eligible to receive a hospital Benchmark Report.

**Thank you for your contribution!**

SURVEY ITEMS	Hovers, skip patterns, & notes							
<p><b>SECTION A: Hospital Data</b></p> <p>This section is about deliveries and general hospital information. Mouse over underlined text for a definition or more information.</p>								
<p><b>A1</b></p> <p>What type of facility is your hospital? (select 1 option only)</p> <ul style="list-style-type: none"> <li>• government (public, non-military) hospital</li> <li>• non-profit, private hospital</li> <li>• for profit, private hospital</li> <li>• military hospital</li> </ul>								
<p><b>A2</b></p> <p>Is your hospital a teaching hospital (e.g., medical residents, nursing students)?</p> <table border="1"> <tr> <td>YES</td> <td></td> <td></td> </tr> <tr> <td>NO</td> <td></td> <td></td> </tr> </table>	YES			NO				
YES								
NO								
<p><b>A3</b></p> <p>Is your hospital currently designated as “Baby-Friendly” by the Baby-Friendly Hospital Initiative (BFHI)?</p> <table border="1"> <tr> <td>YES</td> <td></td> <td></td> </tr> <tr> <td>NO</td> <td></td> <td></td> </tr> </table>	YES			NO				
YES								
NO								

Frequently asked questions

<p><b>A4</b> Are any of the following employment benefits offered to hospital staff (as hospital policy)?</p> <table border="1"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>A private place, other than a bathroom, to express or feed breast milk</td> <td></td> <td></td> </tr> <tr> <td>On-site access to an electric breast pump</td> <td></td> <td></td> </tr> <tr> <td>[Reasonable break time] to express or feed breast milk</td> <td></td> <td></td> </tr> <tr> <td>Flexible work hours / scheduling of shifts to express or feed breast milk</td> <td></td> <td></td> </tr> <tr> <td>On-site child care</td> <td></td> <td></td> </tr> <tr> <td>Paid maternity leave (other than accrued sick or personal leave)</td> <td></td> <td></td> </tr> <tr> <td>Paid paternity leave (other than accrued sick or personal leave)</td> <td></td> <td></td> </tr> <tr> <td>In-person support from a lactation care provider (e.g., IBCLC, CLC, CBC)</td> <td></td> <td></td> </tr> </tbody> </table>		Yes	No	A private place, other than a bathroom, to express or feed breast milk			On-site access to an electric breast pump			[Reasonable break time] to express or feed breast milk			Flexible work hours / scheduling of shifts to express or feed breast milk			On-site child care			Paid maternity leave (other than accrued sick or personal leave)			Paid paternity leave (other than accrued sick or personal leave)			In-person support from a lactation care provider (e.g., IBCLC, CLC, CBC)			<p>Reasonable break time: adequate time to travel to the designated lactation area, express milk or breastfeed, clean up, and return to their work area</p>
	Yes	No																										
A private place, other than a bathroom, to express or feed breast milk																												
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In-person support from a lactation care provider (e.g., IBCLC, CLC, CBC)																												
<p><b>A5</b> Do women who deliver at your hospital have the opportunity to receive prenatal breastfeeding education (in either group or individual settings) provided by your hospital and/or a hospital-affiliated clinic or service?</p> <table border="1"> <tbody> <tr> <td>YES</td> <td></td> </tr> <tr> <td>NO</td> <td></td> </tr> <tr> <td>Not Sure</td> <td></td> </tr> </tbody> </table>	YES		NO		Not Sure																							
YES																												
NO																												
Not Sure																												

Complete the following items using data from the past calendar or fiscal year:	
<p><b>A6</b> [Total live births]: _____</p>	<p>Total number of live births includes vaginal and Cesarean (C-Section) deliveries. For multiple births, count each newborn as a separate live birth.</p>
<p><b>A7</b> [Total live births delivered by Cesarean section]: _____ <i>If cesarean births are not performed at your hospital, record "0"</i></p>	<p>Total number of live birth Cesarean (C-Section) deliveries that were performed at your hospital, including in the perinatal services area, an operating room, or any other location within the hospital.</p> <p><i>Those who enter 0 will not see any future cesarean-related items (C2)</i></p>
<p><b>A8</b> How many healthy newborns at your hospital have their umbilical cord clamped more than one minute after birth?</p> <p style="text-align: center;"><b>FEW</b>      <b>SOME</b>      <b>MANY</b>      <b>MOST</b> (0-19%)    (20-49%)    (50-79%)    (80% +)</p> <p style="text-align: center;"><input type="radio"/>      <input type="radio"/>      <input type="radio"/>      <input type="radio"/></p>	



**A9**

Throughout their hospital stay, what percent of healthy newborns are fed the following?

	Enter %	Select one
[ONLY breast milk]	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate
Breast milk AND any formula, water, or glucose water	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate
No breast milk	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate
<i>Total sums to 100%</i>	100%	

[ONLY breast milk]:

- no water or formula at any time during hospitalization
- no glucose water or sucrose solution except for during painful procedures





**A10**

Among breastfed newborns who are supplemented, and not in a special care nursery or neonatal intensive care unit, how many receive donor human milk?

Not offered at our hospital	Few (0-19%)	Some (20-49%)	Many (50-79%)	Most (80% +)

Although most of the survey is about early postpartum care practices for healthy mother-baby dyads, the following 2 items address a special population of newborns.

**A11**  
 How many newborns diagnosed with [Neonatal Abstinence Syndrome (NAS)] (whose mothers have NOT yet been discharged from the hospital) . . .

	FEW (0-19%) 	SOME (20-49%) 	MANY (50-79%) 	MOST (80% +) 	Not Applicable
. . .are breastfed or provided with expressed human milk?					
. . .[are rooming-in?]					
. . .practice [skin-to-skin] or [Kangaroo Care]?					
. . . are cared for in your hospital's, Neonatal Intensive Care Unit (NICU)?					

(No skip pattern)

Neonatal Abstinence Syndrome (NAS): "A newborn with confirmed or suspected *in utero* exposure to opioids, benzodiazepines, or barbiturates. Please see the "[CSTE Neonatal Abstinence Syndrome Standardized Case Definition](#)."

Rooming-in is a practice where mother and newborn are in close proximity.

Skin-to-skin: The naked newborn is placed prone directly on the mother's bare chest or abdomen, with or without a cap/blanket.

Kangaroo Care refers to skin-to-skin care where a newborn, often premature, is placed prone directly on the mother's, father's, or other's bare chest or abdomen. The caregiver is then wrapped in a blanket or other cloth to secure the newborn against his or her chest.

<p><b>A12</b> Are the following included in a <u>written</u> policy about management of Neonatal Abstinence Syndrome (NAS) at your hospital?</p>	<p>(no skip pattern) Rooming-in is a practice where mother and newborn are in close proximity.</p>		
		Yes	No
Verbal screening for maternal substance use (e.g., asking in the medical history)			
Toxicology screening for maternal substance use (e.g., urine, meconium, hair, cord blood)			
Use of a standardized tool to evaluate NAS symptoms (e.g., Modified Neonatal Abstinence Scoring System, Finnegan Score)			
Promotion of breastfeeding or provision of expressed human milk as a nonpharmacological treatment of NAS			
Promotion of [rooming-in] as a nonpharmacological treatment of NAS			
Promotion of [skin-to-skin contact] or [Kangaroo Care] as a nonpharmacological treatment of NAS			
Pharmacologic treatment of NAS			

**SECTION B: SPECIAL CARE NURSERY (SCN) AND / OR NEONATAL INTENSIVE CARE UNIT (NICU)**

This section is about practices in your hospital's SCN and / or NICU. Mouse over underlined text for a definition or more information. The primary contact should consult with an SCN or NICU colleague before answering these questions.

**B1**

What is the highest level of neonatal care provided at your hospital?

The remaining questions in Section B only apply if your hospital has Level II-Level IV neonatal care.

Level I: Well newborn nursery	<input type="checkbox"/>
Level II: Special care nursery	<input type="checkbox"/>
Level III: Neonatal Intensive Care Unit	<input type="checkbox"/>
Level IV: Regional Neonatal Intensive Care Unit	<input type="checkbox"/>





If level 1 is selected, pop up should appear stating, "You've selected Level 1. The rest of the questions in this section do not apply. Click OK to return to the Table of Contents. If you selected Level 1 by mistake, please close the window, return to the question and correct your answer."

*This section is only available to those who have a Level 2-4 SCN or NICU from Item B1. If they select Level 1 for B1, skip the remaining items in Section B and go right to Section C.*

You've selected Level 1. The rest of the questions in this section do not apply. Click **Next** to return to the Table of Contents. If you selected Level 1 by mistake, please click **Previous**, return to the question and correct your answer

**B2**

How many mothers with newborns in your hospital's SCN or NICU . . .

	FEW (0-19%) 	SOME (20-49%) 	MANY (50-79%) 	MOST (80% +) 
. . .are advised to provide human milk as a component of their newborn's medical care?				
. . .are advised to breastfeed or express their milk 8 or more times every 24 hours to establish and maintain their milk supply?				
. . .begin expressing and collecting their milk within 1 hour of their newborn's birth (among healthy, stable mothers)?				
. . .are shown techniques for cleaning breast pump equipment?				
. . .receive written instructions for cleaning breast pump equipment?				
. . .receive written instructions for safe storage and transport of expressed milk?				

**B3**

Among SCN/NICU newborns eligible for [Kangaroo Care], how many practice Kangaroo Care?

Not offered at our hospital	Few (0-19%)	Some (20-49%)	Many (50-79%)	Most (80% +)

Kangaroo Care refers to skin-to-skin care where a newborn, often premature, is placed prone directly on the mother's, father's, or other's bare chest or abdomen. The caregiver is then wrapped in a blanket or other cloth to secure the newborn against his or her chest.

*If "Not offered" is selected, B4 is skipped*

**B4**  
 At discharge from **your** SCN/NICU, what percent of infants are receiving the following [enteral feedings]?  
 Answer this question based on the enteral feedings received during the 24 hour period prior to discharge, transfer, or death. **Do not consider [parenteral] feedings when answering this item.** For example, for infants discharged on [IV TPN] as well as human milk, the correct response would be "Human Milk Only" since human milk was the only enteral feeding.

Enteral: given by any method including breast, bottle, gavage tube, gastrostomy tube, feeding cup, etc.  
  
 Parenteral: given intravenously  
  
 IV TPN: Intravenous Total Parenteral Nutrition

	Enter %	Select one
Human milk only	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate
Formula only	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate
Human milk in combination with either fortifier or formula	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate
No enteral feedings (e.g., infants discharged receiving [IV TPN] <u>alone</u> without any enteral feedings)	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate
<i>Total sums to 100%</i>	100%	





**B5**  
 How many infants receive donor human milk at any time while cared for in your hospital's SCN/NICU?

	Not available	Few (0-19%)	Some (20-49%)	Many (50-79%)	Most (80% +)
Infants < 1500 grams					
Infants ≥ 1500 grams					

**SECTION C: CARE PRACTICES**





This section is about early postpartum care practices for all healthy mother-baby dyads, **REGARDLESS OF FEEDING METHOD**. Mouse over underlined text for a definition or more information.

**C1**  
 After vaginal delivery, how many newborns remain in uninterrupted [skin-to-skin contact] with their mothers beginning immediately after birth . . .

	FEW (0-19%) 	SOME (20-49%) 	MANY (50-79%) 	MOST (80% +) 
. . .if breastfeeding, until the first breastfeeding is completed?				
. . .if not breastfeeding, for at least one hour?				

skin-to-skin contact: The naked newborn is placed prone directly on the mother's bare chest or abdomen, with or without a cap/blanket.

**C2**  
 After Cesarean-delivery, how many newborns remain in uninterrupted [skin-to-skin contact] with their mothers as soon as the mother is responsive and alert after birth?

	FEW (0-19%) 	SOME (20-49%) 	MANY (50-79%) 	MOST (80% +) 
. . .if breastfeeding, until the first breastfeeding is completed?				
. . .if not breastfeeding, for at least one hour?				

skin-to-skin contact: The naked newborn is placed prone directly on the mother's bare chest or abdomen, with or without a cap/blanket.

*This item is skipped if no cesareans (A7 = 0)*

<p><b>C3</b> How many <u>vaginally-delivered</u> newborns are separated from their mothers [before] starting [rooming-in]?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">Few (0-19%)</td> <td style="padding: 5px;">Some (20-49%)</td> <td style="padding: 5px;">Many (50-79%)</td> <td style="padding: 5px;">Most (80% +)</td> <td style="padding: 5px;">Rooming-in is not an option at our hospital</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Few (0-19%)	Some (20-49%)	Many (50-79%)	Most (80% +)	Rooming-in is not an option at our hospital						<p>Before: Prior to or during transfer from Labor / Delivery care to Postpartum / Nursery care</p> <p>Rooming-in is a practice where mother and newborn are in close proximity.</p>
Few (0-19%)	Some (20-49%)	Many (50-79%)	Most (80% +)	Rooming-in is not an option at our hospital							
<p><b>C4</b> What percent of newborns stay in the room with their mothers for at least 23 hours per day (not including those separated for medical reasons)?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; width: 80%;"> <tr> <td style="padding: 5px;">Enter %</td> <td style="padding: 5px;">Select one</td> </tr> <tr> <td style="padding: 5px; text-align: center;">_____ %</td> <td style="padding: 5px;"> <input type="checkbox"/> Actual  <input type="checkbox"/> Estimate                 </td> </tr> </table>	Enter %	Select one	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate							
Enter %	Select one										
_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate										
<p><b>C5</b> How many newborns receive continuous [observed monitoring] throughout the first two hours immediately following birth?</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>FEW (0-19%)</p> </div> <div style="text-align: center;"> <p>SOME (20-49%)</p> </div> <div style="text-align: center;"> <p>MANY (50-79%)</p> </div> <div style="text-align: center;"> <p>MOST (80% +)</p> </div> </div>	<p>Observed monitoring includes for positioning, color, and breathing</p>										



**C6**  
 Where are newborns usually located during each of the following situations? *Click one location per situation. For situations addressed in multiple locations in your hospital, choose the most frequently-used location.*

	Mother's Room	Nursery, procedure room, or newborn observation unit
Pediatric exams/rounds		
Hearing screening		
Phototherapy		
Pulse oximetry screening (congenital heart defect screening)		
Routine labs/blood draws/injections		
Newborn bath		

**C7**  
 Does your hospital have a protocol that requires frequent observations of [high-risk] mother-infant dyads by nurses to ensure safety of the infant while they are together?

YES	
NO	

Examples of high-risk include: low Apgar scores, late preterm, infants who required resuscitation, difficult delivery, or medications given to the mother that may make her drowsy or sedated or affect the newborn.

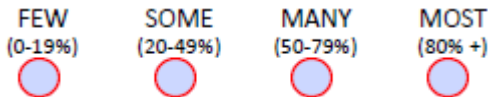
<b>SECTION D: FEEDING PRACTICES</b>																
<p>This section is about infant feeding practices for <u>healthy BREASTFED</u> newborns. Mouse over underlined text for a definition or more information.</p>																
<p><b>D1</b>                      How many healthy breastfed newborns are given pacifiers by staff?                      Do <u>not</u> include the use of pacifiers for painful procedures – e.g., circumcision – in your response.</p>																
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>FEW (0-19%)</p> <input type="radio"/> </div> <div style="text-align: center;"> <p>SOME (20-49%)</p> <input type="radio"/> </div> <div style="text-align: center;"> <p>MANY (50-79%)</p> <input type="radio"/> </div> <div style="text-align: center;"> <p>MOST (80% +)</p> <input type="radio"/> </div> </div>																
<p><b>D2</b>                      How many healthy breastfed newborns are ever fed <u>any</u> breast milk, infant formula, glucose water, or water from a traditional bottle and nipple?</p>																
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>FEW (0-19%)</p> <input type="radio"/> </div> <div style="text-align: center;"> <p>SOME (20-49%)</p> <input type="radio"/> </div> <div style="text-align: center;"> <p>MANY (50-79%)</p> <input type="radio"/> </div> <div style="text-align: center;"> <p>MOST (80% +)</p> <input type="radio"/> </div> </div>																
<p><b>D3</b>                      What percent of healthy, term breastfed newborns are fed <u>any</u> of the following?</p>																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"></th> <th style="width: 10%;">Enter %</th> <th style="width: 20%;">Select one</th> </tr> </thead> <tbody> <tr> <td>Infant formula</td> <td style="text-align: center;">_____ %</td> <td> <input type="checkbox"/> Actual  <input type="checkbox"/> Estimate                             </td> </tr> <tr> <td>Water or glucose water <i>Do <u>not</u> include the use of glucose water for painful procedures – e.g. circumcision – in your response.</i></td> <td style="text-align: center;">_____ %</td> <td> <input type="checkbox"/> Actual  <input type="checkbox"/> Estimate                             </td> </tr> <tr> <td>Any supplemental feedings (infant formula, water, or glucose water) as part of standing orders</td> <td style="text-align: center;">_____ %</td> <td> <input type="checkbox"/> Actual  <input type="checkbox"/> Estimate                             </td> </tr> <tr style="background-color: #e0e0e0;"> <td colspan="3" style="text-align: center;">Not expected to sum to 100%</td> </tr> </tbody> </table>		Enter %	Select one	Infant formula	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate	Water or glucose water <i>Do <u>not</u> include the use of glucose water for painful procedures – e.g. circumcision – in your response.</i>	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate	Any supplemental feedings (infant formula, water, or glucose water) as part of standing orders	_____ %	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate	Not expected to sum to 100%			
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Not expected to sum to 100%																
<p><b>D4</b>                      What are the 3 most common situations that lead to recommendations or requests for formula for</p>																

<p>healthy breastfed newborns during the hospital stay? (Free text)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr><td style="padding: 2px 5px;">1</td></tr> <tr><td style="padding: 2px 5px;">2</td></tr> <tr><td style="padding: 2px 5px;">3</td></tr> </table>	1	2	3				
1							
2							
3							
<p><b>D5</b>                  Does your hospital perform <u>routine</u> blood glucose monitoring of full-term healthy newborns who are <u>NOT</u> at risk for hypoglycemia?</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 60%; padding: 2px 5px;">YES</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td style="padding: 2px 5px;">NO</td> <td></td> <td></td> </tr> </table>	YES			NO			
YES							
NO							

**SECTION E: EDUCATION AND SUPPORT OF MOTHERS**

This section is about information taught to mothers and caregivers about feeding and caring for their newborn and support provided to mothers by staff. Mouse over underlined text for a definition or more information.

**E1**  
To prevent newborn adverse events (e.g., infant falls, accidental suffocation) associated with maternal sleep in the hospital, how many mothers are shown by staff how to place their newborn on a separate, [safe sleep] surface or with another caregiver when the mother becomes sleepy/drowsy?



Safe sleep : infants are placed on their backs on a firm, flat surface (e.g., bassinet) that is free of any items and will prevent infant falls

**E2**  
How many breastfeeding mothers are taught or shown how to . . .













	FEW (0-19%)	SOME (20-49%)	MANY (50-79%)	MOST (80%+)
. . .recognize and respond to their newborn's [feeding cues]?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
. . .position and latch their newborn for breastfeeding?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
. . .assess effective breastfeeding by observing their newborn's latch and the presence of audible swallowing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
. . .assess effective breastfeeding by observing their newborn's elimination patterns (i.e., urine and stool output and stool character)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
. . .breastfeed [as often and as long] as their newborn wants, [without restrictions]?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
. . .hand express their breast milk?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Feeding cues: Signs the baby is ready to feed, including increased alertness, flexion of the extremities, mouth and tongue movements, cooing sounds, rooting, bringing fist toward the mouth, or sucking on fingers / hand.

As often and as long: Also known as 'cue-based' or 'on-demand' feeding.

Without restrictions: Without setting a schedule for how long baby should be at the breast and/or the amount of time that should pass between feeds.



<p><b>E3</b> When breastfeeding mothers request infant formula, how often do staff counsel them about the possible consequences to the health of their infant and the success of breastfeeding?</p> <table border="1"> <tr> <td>RARELY (0-19%)</td> <td>SOMETIMES (20-49%)</td> <td>OFTEN (50-79%)</td> <td>ALMOST ALWAYS (80% +)</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	RARELY (0-19%)	SOMETIMES (20-49%)	OFTEN (50-79%)	ALMOST ALWAYS (80% +)												
RARELY (0-19%)	SOMETIMES (20-49%)	OFTEN (50-79%)	ALMOST ALWAYS (80% +)													
<p><b>E4</b> Among mothers whose newborns are fed <i>any</i> formula, how many are taught . . .</p> <table border="1"> <tr> <td></td> <td>FEW (0-19%) </td> <td>SOME (20-49%) </td> <td>MANY (50-79%) </td> <td>MOST (80% +) </td> </tr> <tr> <td>. . .appropriate [formula feeding techniques]?</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>. . .how to [safely prepare and feed] formula?</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		FEW (0-19%) 	SOME (20-49%) 	MANY (50-79%) 	MOST (80% +) 	. . .appropriate [formula feeding techniques]?					. . .how to [safely prepare and feed] formula?					<p>Formula feeding techniques: Feeding in response to hunger cues and holding the baby closely during the feed, allowing for eye-to-eye contact.</p> <p>Safely prepare and feed: Instructions for mixing, handling, and storing infant formula</p>
	FEW (0-19%) 	SOME (20-49%) 	MANY (50-79%) 	MOST (80% +) 												
. . .appropriate [formula feeding techniques]?																
. . .how to [safely prepare and feed] formula?																
<p><b>E5</b> Do your discharge criteria for breastfeeding newborns <b>require</b>. . .</p> <table border="1"> <tr> <td></td> <td>YES</td> <td>NO</td> </tr> <tr> <td>. . . direct observation of effective positioning, latch, and milk transfer?</td> <td></td> <td></td> </tr> <tr> <td>. . . direct observation of at least one effective feeding at the breast within the 8 hours prior to discharge?</td> <td></td> <td></td> </tr> <tr> <td>. . . scheduling of the first follow-up visit with a health care provider?</td> <td></td> <td></td> </tr> </table>		YES	NO	. . . direct observation of effective positioning, latch, and milk transfer?			. . . direct observation of at least one effective feeding at the breast within the 8 hours prior to discharge?			. . . scheduling of the first follow-up visit with a health care provider?						
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. . . direct observation of at least one effective feeding at the breast within the 8 hours prior to discharge?																
. . . scheduling of the first follow-up visit with a health care provider?																
<p><b>E6</b> What discharge support does your hospital routinely provide to breastfeeding mothers?</p>	<p>In-person follow-up visits: Breastfeeding assessments, support, and weight checks at a post-discharge home,</p>															

<ul style="list-style-type: none"> <li>• [In-person follow-up visits/appointments for lactation support]</li> <li>• Personalized phone calls to mothers to ask about breastfeeding (not automated calls)</li> <li>• [Formalized, coordinated referrals to lactation providers in the community when additional support or follow-up is needed]</li> <li>• [Breastfeeding information and resources]</li> </ul>	<table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Yes	No							<p>hospital, clinic, or office visit; breastfeeding-specific support group in a hospital wellness center</p> <p>Formalized, coordinated referrals: Scheduling an appointment on the mother’s behalf with a lactation provider, WIC peer counselor, or home visiting program; providing a referral for insurance coverage; providing access to lactation support via interactive smartphone app or other online/remote support; writing a prescription for lactation support</p> <p>Breastfeeding information and resources: Educational booklets/pamphlets, informational smartphone app or other online information, list of community resources, breastfeeding assessment sheet/feeding log, warm-lines</p>										
Yes	No																			
<p><b>E7</b> Does your hospital collaborate with [WIC] in any of the following ways?</p>		<p>WIC: The Special Supplemental Nutrition Program for Women, Infants, and Children</p> <table border="1"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>Our hospital has enabled WIC staff/peer counselors to provide bedside breastfeeding support</td> <td></td> <td></td> </tr> <tr> <td>Our hospital staff help schedule WIC appointments</td> <td></td> <td></td> </tr> <tr> <td>Our hospital routinely communicates WIC client birth information to WIC</td> <td></td> <td></td> </tr> <tr> <td>WIC and our hospital have a [written agreement] to promote breastfeeding through outreach or collaboration</td> <td></td> <td></td> </tr> <tr> <td>Other _____</td> <td></td> <td></td> </tr> </tbody> </table> <p>Written agreement: Such as a memorandum of understanding (MOU)</p>		Yes	No	Our hospital has enabled WIC staff/peer counselors to provide bedside breastfeeding support			Our hospital staff help schedule WIC appointments			Our hospital routinely communicates WIC client birth information to WIC			WIC and our hospital have a [written agreement] to promote breastfeeding through outreach or collaboration			Other _____		
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Other _____																				





At least once every 2 years	
Less frequently than every 2 years	
Not required	

**SECTION F: STAFFING**

This section is about maternity-care staff and providers who work in your maternity-care unit, as well as staff and provider responsibilities and training. Mouse over underlined text for a definition or more information.

<p><b>F1</b> How many nurses have met the following requirements?</p> <table border="1"> <thead> <tr> <th></th> <th>FEW (0-19%)</th> <th>SOME (20-49%)</th> <th>MANY (50-79%)</th> <th>MOST (80%+)</th> </tr> </thead> <tbody> <tr> <td>Minimum <b>15 hours</b> of [didactic breastfeeding education]</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Minimum <b>5 hours</b> [competency-based clinical training]</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		FEW (0-19%)	SOME (20-49%)	MANY (50-79%)	MOST (80%+)	Minimum <b>15 hours</b> of [didactic breastfeeding education]					Minimum <b>5 hours</b> [competency-based clinical training]					<p>didactic breastfeeding education: Lectures, conferences, classroom, and online courses.</p> <p>competency-based clinical training: Training and mentorship necessary to attain competence in managing and supporting breastfeeding.</p>
	FEW (0-19%)	SOME (20-49%)	MANY (50-79%)	MOST (80%+)												
Minimum <b>15 hours</b> of [didactic breastfeeding education]																
Minimum <b>5 hours</b> [competency-based clinical training]																
<p><b>F2</b> How often does your hospital require that nurses complete [continuing education] on breastfeeding support and lactation management?</p>	<p>Participation in educational and training activities that improve the care that is provided by maternity staff to mothers and infants.</p>															
<p><b>F3</b> How often are nurses [formally assessed] for clinical competency in breastfeeding support and lactation management?</p>	<p>Systematic evaluation of staff's hands-on ability to support breastfeeding mothers, and may include demonstration of competency at an annual skills lab or observation by a lactation specialist.</p>															
<p><b>F4</b></p>	<p>skin-to-skin: the naked newborn is placed</p>															

	Yes	No
Placement and monitoring of the newborn [skin-to-skin] with the mother immediately following birth		
Assisting with effective newborn positioning and latch for breastfeeding		
Assessment of milk transfer during breastfeeding		
Assessment of maternal pain related to breastfeeding		
Teaching hand expression of breast milk		
Teaching safe formula preparation and feeding		
Counseling the parents/caregivers on [safe sleep] practices for their newborn during the hospital stay		
Counseling the mother on the importance of exclusive breastfeeding for 6 months		
Are nurses required to demonstrate competency in the following skills?		

prone directly on the mother's bare chest or abdomen, with or without a cap/blanket.

Safe sleep : infants are placed on their backs on a firm, flat surface (e.g., bassinet) that is free of any items and will prevent infant falls.

<p><b>F5</b> How many of the following health care providers who care for breastfeeding mothers and newborns complete a minimum of 3 hours of <a href="#">[breastfeeding management education]</a>?</p>								<p>Educational activities that give health care providers an understanding and knowledge of the benefits of exclusive breastfeeding, physiology of lactation, how their field of practice impacts lactation, and how to find out about safe medications for use during lactation.</p>
		Not Applicable (none on staff)	FEW (0-19%)	SOME (20-49%)	MANY (50-79%)	MOST (80%+)		
<p><b>F6</b> How many full time equivalent (FTE) providers dedicated exclusively to in-patient family practice?</p>	Obstetricians							
	Pediatricians							
	International Board Certified Lactation Consultants (IBCLCs)							
	Family Practice Physicians							
	Certified Nurse Midwives							
	Nurse Practitioners	<p>--- If less than 1 FTE, please record as a decimal.                      For example, 40 hours per week = 1 FTE,                      20 hours per week = .5 FTEs,                      and 10 hours per week = .25 FTEs.)</p>						
	Advance Practice Registered Nurses <i>Not including RNs</i>							
	Medical Residents							

<p><b>SECTION G: POLICIES AND PROCEDURES</b></p>						
<p>This section is about hospital policies and procedures. Mouse over underlined text for a definition or more information.</p>						
<p><b>G1</b> Does your hospital record (keep track of) <a href="#">[exclusive breastfeeding]</a> throughout the entire hospitalization?</p>	<table border="1"> <tr> <td>YES</td> <td></td> </tr> <tr> <td>NO</td> <td></td> </tr> </table>	YES		NO		<p>Human milk is the only food provided and includes expressed human milk from the mother or from a donor milk bank. Medicines, minerals, and vitamins may also be given, but no formula, water, or other preparations.</p>
YES						
NO						

**G2**

Which of the following are included in a written policy (or policies) at your hospital?

		Yes	No
Policy requiring...	documentation of medical justification or informed parental consent for giving [non breast milk feedings] to breastfed newborns		
	formal assessment of staff’s clinical competency in breastfeeding support		
	formal, in-service, breastfeeding-related staff training		
	documentation of prenatal breastfeeding education		
	staff to teach mothers breastfeeding techniques, including how to manage common difficulties		
	staff to show mothers how to express breast milk		
	placement of newborns skin-to-skin with their mother at birth or soon thereafter		
	purchase of infant formula and related breast milk substitutes by the hospital at fair market value		
	staff to provide mothers with resources for breastfeeding support after discharge		
	Staff to teach mothers about strategies for [safe sleep] while [rooming-in] at the hospital		
the option for mothers to room-in with their newborns			
Policy prohibiting...	distribution of marketing/education materials, samples, or gift packs by the facility that include or promote breast milk substitutes (infant formula), infant feeding supplies, or infant formula coupons		

Non breast milk feedings: formula, water, glucose water  
 Safe sleep practices: infants are placed on their backs on a firm, flat surface that is free of any items.  
 Rooming-in is a practice where mother and newborn are in close proximity.

<p><b>G3</b> How many health care providers who have <u>any</u> contact with pregnant women, mothers, and/or newborns have been oriented on the hospital’s infant feeding policies?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">Our hospital does not have written policies related to infant feeding practices..</td> <td style="padding: 5px;">Few (0-19%)</td> <td style="padding: 5px;">Some (20-49%)</td> <td style="padding: 5px;">Many (50-79%)</td> <td style="padding: 5px;">Most (80% +)</td> </tr> <tr> <td style="height: 20px;"> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	Our hospital does not have written policies related to infant feeding practices..	Few (0-19%)	Some (20-49%)	Many (50-79%)	Most (80% +)								
Our hospital does not have written policies related to infant feeding practices..	Few (0-19%)	Some (20-49%)	Many (50-79%)	Most (80% +)									
<p><b>G4</b> How does your hospital acquire each of the following:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">HOSPITAL PURCHASES at [fair market price]</th> <th style="width: 20%;">HOSPITAL RECEIVES free of charge</th> <th style="width: 30%;">UNKNOWN or unsure</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Infant formula</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td style="padding: 5px;">Bottles, nipples, pacifiers</td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		HOSPITAL PURCHASES at [fair market price]	HOSPITAL RECEIVES free of charge	UNKNOWN or unsure	Infant formula				Bottles, nipples, pacifiers				<p>Consistent with hospital-wide vendor policy</p>
	HOSPITAL PURCHASES at [fair market price]	HOSPITAL RECEIVES free of charge	UNKNOWN or unsure										
Infant formula													
Bottles, nipples, pacifiers													
<p><b>G5</b> Does your hospital give mothers any of the following items free of charge, <u>as gifts or free samples</u> (not including items prescribed as part of medical care)?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 70%;"></th> <th style="width: 10%;">Yes</th> <th style="width: 20%;">No</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Infant formula (including formula discharge packs)</td> <td> </td> <td> </td> </tr> <tr> <td style="padding: 5px;">Feeding bottles, bottle nipples, nipple shields, or pacifiers</td> <td> </td> <td> </td> </tr> <tr> <td style="padding: 5px;">Coupons, discounts, or educational materials from companies that make or sell infant formulas or feeding products.</td> <td> </td> <td> </td> </tr> </tbody> </table>		Yes	No	Infant formula (including formula discharge packs)			Feeding bottles, bottle nipples, nipple shields, or pacifiers			Coupons, discounts, or educational materials from companies that make or sell infant formulas or feeding products.			
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Coupons, discounts, or educational materials from companies that make or sell infant formulas or feeding products.													



**SECTION H: EXIT / COMPLETION**

**H1**  
 Select the positions or titles of the people who have participated in completing this survey, including your own. *Click all that apply.*

Mother-Baby Unit Manager / Supervisor	<input type="checkbox"/>
Labor and Delivery Unit Manager / Supervisor	<input type="checkbox"/>
Maternity Care Services Director / Manager	<input type="checkbox"/>
Lactation Services Coordinator	<input type="checkbox"/>
Lactation Care Provider (i.e., IBCLC, CLC, CBC)	<input type="checkbox"/>
Clinical Nurse Specialist	<input type="checkbox"/>
Director of Obstetrics and Gynecology	<input type="checkbox"/>
Director of Perinatal Care	<input type="checkbox"/>
Director of Pediatrics	<input type="checkbox"/>
Medical Director	<input type="checkbox"/>
NICU Nurse Manager	<input type="checkbox"/>
Staff physician	<input type="checkbox"/>
Staff midwife	<input type="checkbox"/>
Staff nurse	<input type="checkbox"/>
Database Manager / Coordinator	<input type="checkbox"/>
Other, specify _____	<input type="checkbox"/>
I prefer not to answer	<input type="checkbox"/>

<p><b>H2</b> <b>Contact information for mPINC reports</b></p> <p>We will mail a hard copy of your hospital’s results to four (4) leadership positions at your hospital. These positions are the Director of Hospital Quality Improvement, Obstetrics Medical Director, Pediatrics Medical Director, and the Nurse Manager for Mother Baby Services.</p> <ul style="list-style-type: none"><li>• In addition, we would like to email a copy of your hospital’s results. To protect the confidentiality of your hospital’s scores, we cannot send electronic copies of the benchmark report to personal email addresses (e.g., Yahoo, Gmail, Hotmail). Please enter your name, position, and official hospital email address so that we may email your hospital’s results. You, the survey recipient, will receive one (1) electronic copy of your hospital’s results. Your contact information will in no way be connected to survey responses or scores.</li></ul> <table border="1"><thead><tr><th>Survey Recipient Name</th><th>Position</th><th>Email</th></tr></thead><tbody><tr><td></td><td></td><td></td></tr></tbody></table>	Survey Recipient Name	Position	Email				
Survey Recipient Name	Position	Email					
<p><b>H3</b> <b>Comments</b></p> <p>Free text</p>							

Thank you for your time!