OMB #0920-0743 EXP. DATE: 7-31-2009

## CDC National Survey of Maternity Practices in Infant Nutrition and Care (mPINC)

**Hospital Survey** 

## Conducted for

Centers for Disease Control and Prevention
National Center for Chronic Disease Prevention and Health Promotion
Division of Nutrition and Physical Activity
Maternal and Child Nutrition Branch
Atlanta, GA

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 this burden to CDC, Project Clearance Officer, 1600 Clifton Road, MS-24, Atlanta, GA 30333, ATTN: PRA (0920-0743). Do not send the completed form to this address.

## CDC National Survey of Maternity Practices in Infant Nutrition and Care (mPINC)

What is this survey about: The Centers for Disease Control and Prevention (CDC) is inviting you

to participate in a national survey of infant feeding practices at hospitals and birth centers in the United States and Territories that provided maternity care in the past year. The survey is being conducted for CDC by the Battelle Centers for Public Health Research and Evaluation. We need the response of every facility providing maternity care to make this study representative of all maternity care facilities in the United States and Territories. If your facility provides maternity care at multiple locations, please only report data for the

specific location listed on the cover letter.

How long will the survey take to complete:

On average, the survey will take about 30 minutes to complete.

How will this information be used: The purpose of this study is to find out about infant feeding practices at

hospitals and birth centers in the United States and Territories. Information obtained from this survey will assist CDC with program planning. After data collection is complete, your facility will receive an individualized report containing a summary of survey results. Your name, facility name and other personal identifiers will not be shared

with any other facility.

**Confidentiality:** Your responses will be treated in a confidential manner and will be

kept private to the extent allowed by law. Your name, facility name, and any other personal identifiers will not be included in either oral or written presentation of study results. Responses will be reported only in summary form so individual responses cannot be identified. Data may be released for additional approved research purposes. Your participation in the study is completely voluntary. Data collection will be managed by Battelle, Centers for Public Health Research and Evaluation, a national survey and research organization with extensive

experience in collection of health data.

Who do I call if I have questions about how to complete the survey:

Diane Manninen, Ph.D., Task Leader, Battelle, toll-free at

1-866-826-4176

Who do I call if I have questions regarding my rights as a study

participant:

Chairperson of Battelle IRB 1-877-810-9530 x 500

Thank you very much for taking the time to complete this survey

SECT	ION A:	HOSPITAL PRACT	TICES			
A1. Are prenatal classes offered at your hospital, either by hospital staff or contract personnel?						
	☐ Yes →	prenatal/childbirth		of the class content ss?	in the	
		☐ Yes				
		□ No	l - <i>tt</i>		dia a sta a c	
		Does your nospita  ☐ Yes	i offer a separate	e prenatal breastfee	ding class?	
		☐ No				
	☐ No					
	☐ Not sure					
A2.		v how many women (p wborn feeding plans?		partum) are asked b	by hospital staff	
	Few (0%–9%)	Some (10%–49%)	Many (50%–89%)	Most (90%+)	Not sure	
	(0 70 3 70)	(1070 4370)	(3070 0370)	(30701)		
A3.	Is the mother's infant's hospit	s infant feeding decis	ion recorded on a	a hospital record? (	either hers or her	
	Rarely	Sometimes	Often	Almost always	Not sure	
	(0%–9%) <b></b>	(10%–49%) <b></b>	(50%–89%) <b></b>	(90%+) <b>_</b>		
A4.		v, how many mothers -skin for at least 30 m				
	Few	Some	Many	Most	Not sure	
	(0%−9%) <b>□</b>	(10%–49%) 🗖	(50%–89%) <b>_</b>	(90%+) <b></b>		
A5.		ewborn procedures (e d vaginal births done s skin?		. •	•	

Often

(50%–89%)

Rarely (0%–9%)

Sometimes

(10%–49%)

Not sure

Almost always (90%+)

A6.	Approximately what percentage of <b>healthy full-term breastfed</b> infants are put to the breast for the first time during the specified period after delivery for <u>uncomplicated</u> <u>vaginal births</u> ?				
	Within 1 hour after birth	%			
	1-2 hours after birth	%			
	2-4 hours after birth	%			
	4+ hours after birth	%			
	Total	100%			
A7.	Approximately what percentage following as a <u>first feeding</u> after			s are given the	
	Breast milk	%			
	Water	%			
	Glucose water	%			
	Infant formula	%			
	Total	100%			
A8.	Approximately what percentage cesarean section (total cesarea		ast calendar or fis	cal year were by	
	If your hospital does not do ces Question A12	sarean sections, <b>reco</b>	rd "0" above and	→ Skip to	
A9.	Approximately how many moth hold their <b>healthy full-term</b> infa after delivery for uncomplicated	ants skin-to-skin for at			
	Few Some	Many	Most	Not sure	
	(0%–9%) (10%–49%	5) (50%–89%)	(90%+)		
		<b>_</b>	<b>-</b>		
A10.	Approximately what percentage breast for the first time during to cesarean sections?				
	Within 2 hours after delivery	%			
	2–4 hours after delivery	%			
	4+ hours after delivery	%			
	Total	100%			

A11.	. Approximately what percentage of <b>healthy full-term breastfed</b> infants are given the following as a <u>first feeding</u> after <u>uncomplicated cesarean section births</u> ?				
		Breast milk	%		
		Water	%		
		Glucose water	%		
		Infant formula	%		
		Total	100%		
A12.	you teach brea	o are breastfeeding, stfeeding techniques ssessing the effectiv	s (e.g. comfortab	le positioning, holdi	
	Few	Some	Many	Most	Not sure
	(0%−9%) <b>□</b>	(10%–49%) <b></b>	(50%–89%) <b>_</b>	(90%+) <b>_</b>	
A13.	Approximately baby's hunger?	how many mothers a	are taught to reco	ognize and respond	I to first signs of
	Few	Some	Many	Most	Not sure
	(0%–9%) <b>_</b>	(10%–49%) <b></b>	(50%–89%) <b></b>	(90%+) <b>_</b>	٠
A14.		naternity care staff a h feeding (e.g. nurse			
	Rarely	Sometimes	Often	Almost always	Not sure
	(0%−9%) <b>□</b>	(10%–49%) <b></b>	(50%–89%) <b></b>	(90%+) <b>_</b>	
A15.		o are breastfeeding, assessed by staff for tay?			
	Few	Some	Many	Most	Not sure
	(0%–9%) <b>_</b>	(10%–49%) <b></b>	(50%–89%) <b>_</b>	(90%+) <b>_</b>	
A16.	Do staff at you	r hospital use a tool t	to assess breast	feeding effectivenes	ss?
	☐ Yes →	What tool does you effectiveness?	ur hospital use to	assess breastfeed	ling
		A standardiz	ed tool (i.e. LAT	CH, IBFAT)	
		A standard to maternity ca		adapted by your ho	ospital, for use by
	☐ No				

A17.	Approximately what percentage of <b>healthy full-term breastfed</b> infants are supplemented with something other than breast milk? ( <i>Please provide your best estimate if your hospital does not formally track this information.</i> )%							
	If infants are nev	<b>er</b> supplemented,	record "0" above	and → Skip to	Question A20			
A18.			d infants who are s		th infant formula,			
	Do	ctor's orders	%					
	Nurse's reco	mmendation	%					
	Mo	ther's choice	%					
	Other (ple	ease specify)	%					
		Total	100%					
A19.	Are <b>healthy full-</b> types of supplem		nfants <u>who are sup</u>	<u>plemented</u> ever	given the following			
		Yes	No					
	Water							
	Glucose water							
A20.	maternity care sta	Approximately how many <b>healthy full-term breastfed</b> infants are given pacifiers by maternity care staff? <i>Please do not include the use of pacifiers for medical procedures</i> (e.g., circumcision) in your response.						
	Few	Some	Many	Most	Not sure			
	(0%–9%) <b></b>	(10%–49%) <b></b>	(50%–89%)	(90%+) <b>-</b>				
A21.	Does your hospit	al receive free infa	ant formula?					
	☐ Yes							
	☐ No							
	☐ Not sure							
A22.	Does your hospit	al have a well bat	by nursery?					
	☐ Yes							
	□ No							

routinely taken to the nursery or other pediatrics patient, vital signs, first ba			ther separate	•		
	☐ Yes → On a	average, how lo	ong is the infan	t in this transition	on period?	
		minutes				
	□ No					
A24.	Are <b>healthy full-te</b>	erm breastfed	infants routinel	y taken from th	e mother's ro	om at night?
	Plea		ls to represent	aby away from parts of hours		
		hours				
	☐ No					
A25.	Among mother-infa					
	Few	Some	Many	Mos	t N	ot sure
	(0%_9%)					ot dui d
A26.	Approximately how mother's room for:	/ many <b>healthy</b>	/ full-term bre	astfed infants a	are taken fron	n the
		Few	Some	Many	Most	Not sure
		(0%–9%)	(10%–49%)	(50%–89%)	(90%+)	
	Pediatric rounds					
	Change of shift					
	Visiting hours					
	Hearing test					
	Heel stick					
	Infant photos					
	Infant's bath					
	Mother bathing					
	Mother out of room					

A27. What is the typical length of stay at your hospital for the mother and infant foll uncomplicated vaginal birth?			lowing an						
	☐ Four hours or less → Skip to Question A29								
	☐ 5 – 12 hours → Skip to Question A29								
	☐ 13 – 24 hours → Skip to Question A29								
	☐ 25 – 48 hours								
	☐ More than 48 hours								
A28.	Approximately what percentage of <b>healthy full-term</b> infarmethod, remain with their mothers for at least the following								
	8 or fewer hours per day%								
	9–15 hours per day%								
	16–23 hours per day%								
	23+ hours per day%								
	Total 100%								
A29.	Are discharge packs/bags containing infant formula samp mothers?	les given to	breastf	eeding					
	☐ Yes								
	□ No								
A30.	What support does your hospital routinely (most of the time) offer to breastfeeding mothers at discharge?								
	•	Yes	No	Not Sure					
	a. Postpartum telephone call by hospital staff								
	b. Telephone number for patient to call								
	c. Postpartum follow-up visit at hospital after discharge								
	d. Home follow-up visit after discharge								
	e. Referral to hospital-based breastfeeding support grou	р 🗖							
	f. Referral to other breastfeeding support groups								
	g. Referral to lactation consultant/specialist								
	h. Referral to WIC (for those eligible)								
	i. Referral to an outpatient lactation clinic								
	j. List of resources for breastfeeding help								
	k. Breastfeeding assessment sheet								
	I. Other (please specify)								

A31.	What is the highest level of neonatal care provided at your hospital?								
	☐ Special care	oorn→Skip to Que (Level 1 or Level e (Level 3 NICU)							
A32.	Is banked donor milk ever used in your NICU?								
	☐ Yes								
	☐ No								
A33.	Among NICU infants receiving milk feedings, approximately how many are routinely provided human milk?								
	Few	Some	Many	Most	Not sure				
	(0%–9%) □	(10%–49%) □ <b>I</b>	(50%–89%) □ <b>I</b>	(90%+) □					

B1.	On ave	erage, how ma	any hours d	o nurse	es sper	nd in brea	stfeeding	education	as new
_	nour	1-4 hours	5–8 hours	; 9– <sup>-</sup>	18 houi	_	hours <b>_</b>	Not sure	Not applicable ☐
B2.		erage, how ma in breastfeed						maternity o	care staff
				< 1	hour	1-3 hours	3+ hou	rs Not sure	Not applicable
	•	icians employ ital, residents	•	Ę	ב				
		fied Nurse Mi nce practice r	-	Ţ	j .			0	
B3.	How m	nany nurses re	eceived brea	astfeed	ling ed	ucation <b>in</b>	the past	: year?	
		Few %–9%) □	Some (10%–49%) <b>□</b>	(	Man 50%–8 □	,	Most (90%+ □		Not sure
B4.	On ave	erage, how ma	any hours d	id nurs	es spe	nd in brea	astfeeding	g education	n in the past
<1	nour	1-4 hours	5–8 hours	s 9–	18 houi	rs >18	hours	Not sure	Not applicable
Ç	<b></b>					Ţ	<b>_</b>		
B5.	How o	ften are nurse pport?	s assessed	for lev	el of co	ompetenc	y in breas	stfeeding n	nanagement
		At least or a year	nce ond	than e a ear	Not a	ssessed	Not ap	olicable	
			· -				Ç	ב	
B6.		erage, how ma in breastfeed					types of	maternity	care staff
				< 1 l	nour	1-3 hours	3+ hours	Not sure	Not applicable
		ians employe al, residents, i			נ				
	Certifie	ed Nurse Midv ce practice nu	vives,		נ				

TRAINING, PERSONNEL, AND POLICY

SECTION B:

В/.	which of the	following near	th care provi	aers aeliver	infants at ye	our nospitai?	
		Gynecologists ice Physicians se Midwives	<b>3</b>	∕es □ □	No		
B8.	breastfeeding		nd managen	nent and is i		person who is for ensuring th	
	☐ Yes →	What are his Registere Internation Registere Certified Other Lac	ed Nurse (RN onal Board C ed Dietician ( Nurse Midwi ctation consu	N) ertified Lact (RD) fe (CNM) ultant/specia	ation Consu	Itant (IBCLC)	
	☐ No						
B9.	How many full time equivalents (FTEs) are dedicated to lactation patient care? (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.)						
		_FTEs					
B10.	How often is stay?	hands-on brea	astfeeding su	upport availa	able to moth	ers during the	ir hospital
	Weekday day Weekday nig Weekend da Weekend nig	ihts ys	Always	Sometin	nes	Never	

B11.	Does your hospital have a written policy addressing				
	<ul><li>a. formal in-service training programs for hospital staff</li><li>b. prenatal classes informing mothers about breastfeeding</li><li>c. asking about mothers' feeding plans</li></ul>		∕es □ □	No 	Not Sure ••••••••••••••••••••••••••••••••••••
	<ul> <li>d. initiating breastfeeding within 60 minutes after uncomplicated vaginal birth</li> </ul>				
	initiating breastfeeding after recovery for births by uncomplicated cesarean section				
	f. showing mothers how to express breast milk and maintain lactation should they be separated from their infants				
	g. giving breastfed infants food or drink other than breast milk				
	h. 24-hour/day rooming-in				
	<ul> <li>breastfeeding on-demand and duration and frequency of individual feedings</li> </ul>				
	j. use of pacifiers by breastfed infants				
	k. referral of mothers with breastfeeding problems to appropriate resources (e.g. lactation consultant/specialist, community support group, medical provider, WIC Program)				
	<ol> <li>referral of mothers to appropriate community breastfeeding resources upon discharge</li> </ol>				
B12.	How are staff informed about these policies?				
D42	In-service training Policy is posted (paper, web-site) Newsletter New staff orientation New staff training Staff meeting Word of mouth Other (please specify)	Yes	NO		Not oplicable
B13.	Does your hospital provide any of the following to hospital staff w				otners?
	<ul> <li>a. A designated room to express milk</li> <li>b. On-site child care for dependents of hospital staff</li> <li>c. Electric breast pump for hospital staff use</li> <li>d. Permission to use existing work breaks to express milk</li> <li>e. Breastfeeding support group for hospital staff</li> <li>f. Lactation consultant/specialist available for consult</li> <li>g. Paid maternity leave (other than accrued vacation or sick leav</li> </ul>		es o o o	NO 0 0 0 0 0	

## SECTION C: HOSPITAL CHARACTERISTICS

C1.	How many total live births took	place in the past calendar or fiscal year at your hospital?
C2.	Approximately what percentage were given epidurals at your hos	of laboring women in the past calendar or fiscal year spital?%
C3.	(e.g. oxytocin, prostaglandins, n	of patients received pharmacological agents nisoprostol, mifepristone, relaxin) to initiate or speed up ne past calendar or fiscal year?%
C4.	(e.g. amniotomy, stripping or sw	of patients received mechanical or surgical approaches veeping membranes, balloon or Foley catheter dilation) to at your hospital in the past calendar or fiscal year?
C5.	Does your hospital record (keep	track of) the number of mothers breastfeeding?
	☐ Yes: at admission→	What percentage of women intended to breastfeed at admission, in the past calendar or fiscal year?%
	Yes: at some point during the hospital stay →	What percentage of women were breastfeeding during their hospital stay, in the past calendar or fiscal year?%
	☐ Yes: at discharge →	What percentage of women were breastfeeding at discharge, in the past calendar or fiscal year?%
	☐ Yes: beyond discharge→	What percentage of women continued breastfeeding after discharge from the hospital in the past calendar of fiscal year?%
	☐ No	,
	■ Not sure	

C6. Please select the positions or titles of the people who have worked on responding to this questionnaire.

	Your position	Other people contributing information to survey (check all that apply)
Mother-Baby Unit manager/supervisor		
Birth Center director		
Labor and Delivery unit manager/supervisor		
Maternity care services director/manager		
Lactation services coordinator		
Clinical nurse specialist		
Director of obstetrics and gynecology		
Director of perinatal care		
Director of pediatrics		
Medical Director		
NICU nurse manager		
Staff physician		
Staff midwife		
Staff nurse		
Database manager/coordinator		
Other (please specify)		
☐ No other person worked on responding to this questionnaire		

Thank you very much for your participation in this survey.

Comments:

Please return by mail to:

CDC National Survey of Maternity Practices in Infant Nutrition and Care (mPINC) 1100 Dexter Avenue North, Suite 400 Seattle, WA 98109-3598