Crosswalk: Aligning CDC's Maternity Practices in Infant Nutrition and Care (mPINC) Survey to the Ten Steps to Successful Breastfeeding

Note: This tool does not correspond to or replace Baby-Friendly USA's on-site assessments or Baby-Friendly designation.

Step 1: Hospital Policies*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Compliance with the Code: Acquisition of infant formula	Indicates how your hospital acquires infant formula.	G4_a1
Compliance with the Code: Distribution of infant formula or formula-related supplies/coupons as gifts	Indicates whether your hospital gives mothers any of these items free of charge (not including items prescribed as part of medical care): a) infant formula, b) feeding bottles/nipples, nipple shields, or pacifiers, or c) coupons, discounts, or educational materials from companies that make or sell infant formula or feeding products.	G5_a1/G5_a2/ G5_a3
Written infant feeding policies	Indicates whether your hospital has a policy requiring... ...documentation of medical justification or informed consent for giving non-breast milk feedings to breastfed newborns.	G2_a1
Written infant feeding policies	...formal assessment of staff's clinical competency in breastfeeding support.	G2_a2
Written infant feeding policies	...documentation of prenatal breastfeeding education.	G2_a4
Written infant feeding policies	...staff to teach mothers breastfeeding techniques AND staff to show mothers how to express milk.	G2_a5/G2_a6
Written infant feeding policies	...purchase of infant formula and related breast milk substitutes by the hospital at fair market value AND a policy prohibiting distribution of free infant formula, infant feeding products, and infant formula coupons.	G2_a8/G2_a12
Written infant feeding policies	...staff to provide mothers with resources for support after discharge.	G2_a9
Written infant feeding policies	...placement of all newborns skin-to-skin with their mother at birth or soon thereafter.	G2_a7
Written infant feeding policies	...the option for mothers to room-in with their newborns.	G2_a11
Monitoring and data-management systems	Indicates whether your hospital records/tracks exclusive breastfeeding throughout the entire hospitalization.	G1

Step 2: Staff Competency*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Staff competency to support breastfeeding	Indicates which competency skills are required of nurses: - 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.	F4_a1/F4_a2/ F4_a3/F4_a4/ F4_a5/F4_a6
Assessment of staff competency to support breastfeeding	Assesses whether formal assessment of clinical competency in breastfeeding support and lactation management is required of nurses.	F3

Step 3: Prenatal Care*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Prenatal breastfeeding education[†]	Indicates 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.[†]	A5

Step 4: Care Right After Birth*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Immediate skin-to-skin contact after vaginal delivery	After vaginal delivery, percent of newborns who remain in uninterrupted skin-to-skin contact with their mothers immediately after birth... ...if breastfeeding, until the first breastfeeding is completed. ...if not breastfeeding, for at least one hour.	C1_a1/C1_a2
Immediate skin-to-skin contact after Cesarean-delivery	After Cesarean-delivery, percent of newborns who remain in uninterrupted skin-to-skin contact with their mothers as soon as the mother is responsive and alert after birth... ...if breastfeeding, until the first breastfeeding is completed. ...if not breastfeeding, for at least one hour.	C2_a1/C2_a2

Step 5: Support Mothers with Breastfeeding*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Practical support to initiate and maintain breastfeeding and manage common breastfeeding problems	Percent of breastfeeding mothers who are taught or shown how to... ...position and latch their newborn for breastfeeding. ...assess effective breastfeeding by observing their newborn's latch and the presence of audible swallowing. ...assess effective breastfeeding by observing their newborn's elimination patterns. ...hand express breast milk.	E2_a2/E2_a3/ E2_a4/E2_a6

Step 6: Supplementing*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Non-medically indicated supplementation	Percent of healthy, term breastfed newborns who are fed infant formula.	D3_a1
Counseling on the importance of exclusive breastfeeding	Frequency that staff counsel breastfeeding mothers who request infant formula about possible health consequences for their infant and the success of breastfeeding.	E3
Instruction of formula feeding techniques and safe preparation and handling of formula	Among mothers whose newborns are fed any formula, percent of mothers taught... ...appropriate formula feeding techniques. ...how to safely prepare and feed formula.	E4_a1/E4_a2

Step 7: Rooming in*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Mother-infant separation after birth	Percent of vaginally-delivered newborns separated from their mothers before starting rooming-in.	C3
Rooming-in for 24 hours/day	Percent of newborns who stay in the room with their mothers for 24 hours/day (not including separation for medical reasons).	C4_a1
Mother-infant separation while rooming-in	Indicates usual location of newborns during... ...pediatric exams/rounds. ...hearing screening. ...pulse oximetry screening. ...routine labs/blood draws/injections. ...newborn bath.	C6_a1/C6_a2/C6_a4/C6_a5/C6_a6
Observation of mother-infant dyads to ensure safety	Indicates whether your hospital has a protocol requiring frequent observations of high-risk mother-infant dyads by nurses to ensure safety of the infant while they are together.	C7

Step 8: Responsive Feeding*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Support recognition and response to infant feeding cues	Percent of breastfeeding mothers who are taught or shown how to... ...recognize and respond to their newborn's feeding cues. ...breastfeed as often and as long as their newborn wants.	E2_a1/E2_a5

Step 9: Bottles, Teats (Nipples), and Pacifiers*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Counseling on the risks of artificial teats (nipples) and pacifiers	Percent of breastfeeding mothers who are taught or shown how to... ...understand the use and risks of artificial nipples and pacifiers.	E2_a7

Step 10: Discharge*

Ten Steps Competency[1]	mPINC Item	mPINC Data Element
Coordination of discharge to ensure appropriate follow-up care	Indicates whether your hospital's discharge criteria for breastfeeding newborns requires scheduling of the first follow-up visit with a health care provider.	E5_a3
Coordination of discharge to ensure ongoing breastfeeding support	Indicates whether your hospital's routine discharge support to breastfeeding mothers includes: a) in-person follow-up visits/appointments for lactation support, b) personalized phone calls to mothers to ask about breastfeeding, or c) formalized, coordinated referrals to lactation providers in the community when additional support is needed.	E6_a1/E6_a2/ E6_a3

*Although this tool assesses many aspects of each of the Ten Steps, it does not assess every aspect. Every aspect of each Step cannot be assessed using mPINC data alone.

[†]This item was not scored and therefore not included in mPINC Hospital Reports. Please use your knowledge of hospital practice to answer this question. If you have requested access to mPINC data from CDC, this item corresponds with mPINC Data Element A5.

References

1. World Health Organization. Implementation guidance: protecting, promoting, and supporting breastfeeding in facilities providing maternity and newborn services: the revised Baby-friendly Hospital Initiative 2018 (who.int).