CDC’s Survey of Maternity Practices in Infant Nutrition and Care (mPINC): Practical Applications of the Data

[On Becoming an mPINC Data Ninja]

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Action 7

“Ensure that maternity care practices throughout the United States are fully supportive of breastfeeding”

- Accelerate implementation of the Baby-Friendly Hospital Initiative
- Establish systems to control distribution of infant formula in hospitals
CDC’s Survey of Maternity Practices in Infant Nutrition and Care (mPINC)

Bi-Annual census of all hospitals and birth centers that provide maternity care services.
- Administered Q4 of odd years since 2007
- Response Rate >82%

Assesses usual practice for healthy, term infants.
- Single key informant is identified through telephone screening as person most knowledgeable about relevant practices.
- 56-item questionnaire
  - Section A: 36 items related to hospital practices
  - Section B: 13 items related to training, personnel, and policy
  - Section C: 7 items related to hospital characteristics

Reporting on mPINC Results

- Vital Signs
- MMWR
- Customized Benchmark Reports directly to stakeholders and decision-makers at participating facilities
- State Aggregate Reports
- State-specific analyses in partnership with state health departments
- Comprehensive frequency tables by state and facility type at www.cdc.gov/mpinc
- More?
CDC's mPINC Survey:  
Practical Applications of the Data
BFHI practices – Who determines Prevalence of ideal practices?

CDC's mPINC Survey: Practical Applications of the Data
BFHI practices – Who determines Prevalence of ideal practices?

- Prenatal Clinicians
- Lactation Consultants
- Childbirth Educators
- Hospital Administrators
- Clinical Leadership
- Nursing Leadership
- Birth Attendants
- Bedside Nurses
- Postpartum Clinicians
- Postpartum Nurses
- Pediatric Clinicians
- Pediatric Nurses
- Moms and Families
- Partner Organizations

BFHI practices: Step 2 – Train all health care staff in skills necessary to implement the policy

- Prenatal Clinicians
- Lactation Consultants
- Childbirth Educators
- Hospital Administrators
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- Bedside Nurses
- Postpartum Clinicians
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- Pediatric Nurses
- Moms and Families
- Partner Organizations

CDC's mPINC Survey:
Practical Applications of the Data
**BFHI practices:** Step 4 – Show mothers how to breastfeed, and how to maintain lactation even if they should be separated from their infants.

<table>
<thead>
<tr>
<th>Prenatal Clinicians</th>
<th>Prenatal Nurses</th>
<th>Lactation Consultants</th>
<th>Childbirth Educators</th>
<th>Moms and Families</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital Administrators</td>
<td>Clinical Leadership</td>
<td>Nursing Leadership</td>
<td>Birth Attendants</td>
<td>Bedside Nurses</td>
</tr>
<tr>
<td>Postpartum Clinicians</td>
<td>Postpartum Nurses</td>
<td>Pediatric Clinicians</td>
<td>Pediatric Nurses</td>
<td>Partner Organizations</td>
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</tbody>
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**CDC’s mPINC Survey:** Practical Applications of the Data
### CDC’s mPINC Survey: Practical Applications of the Data

#### BFHI practices in

**Prevalence of ideal practices, mPINC11**

<table>
<thead>
<tr>
<th>Practice</th>
<th>All States</th>
<th>0%</th>
<th>25%</th>
<th>50%</th>
<th>75%</th>
<th>100%</th>
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<tbody>
<tr>
<td>Have a policy</td>
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<td>Train staff</td>
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<tr>
<td>Teach prenatally</td>
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<tr>
<td>Help moms start</td>
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<tr>
<td>Show moms how</td>
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<tr>
<td>Give no supp</td>
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<td>Room in</td>
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<td>Feed on cue</td>
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<td>Use no pacifiers</td>
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<tr>
<td>Support after dx</td>
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</tbody>
</table>

- BFHI: Breastfeeding-Friendly Hospital Initiative
- mPINC: Maternity Practices in Infant Nutrition and Care
BFHI practices – Prevalence of ideal practices, mPINC11

Teach prenatally

Show moms how

Feed on cue

CDC's mPINC Survey: Practical Applications of the Data
BFHI practices in Ohio v. All States – Prevalence of ideal practices, mPINC11

- Have a policy
- Train staff
- Teach prenatally
- Help moms start
- Show moms how
- Give no supp
- Room in
- Feed on cue
- Use no pacifiers
- Support after dx

CDC's mPINC Survey: Practical Applications of the Data
Progress in prevalence of ideal practices, mPINC09-11

- Have a policy
- Train staff
- Teach prenatally
- Help moms start
- Show moms how
- Give no supp
- Room in
- Feed on cue
- Use no pacifiers
- Support after dx
CDC's mPINC Survey: Practical Applications of the Data
What’s the story?  Light a fire

Have a policy

- mPINC09
- mPINC11

More and more hospitals across the US are implementing model breastfeeding policies. Data from the mPINC survey show that without immediate action, Ohio could in fact get left behind.

In 2009, Ohio hospitals were clear leaders – model breastfeeding policies were present in 1 out of every 5 Ohio hospitals, versus only 1 out of 6 hospitals nationwide.

Two years later, though, Ohio hospitals no longer stand out – the national 5 point jump model policies in US overshadows Ohio’s meager 1.7 point improvement.

What’s the story?  Celebrate big gains

Help moms start

Ohio nurses are helping more moms than ever to get started with breastfeeding. Ohio has transformed into a national leader in nursing care to support moms to breastfeed.

In 2009, moms in Ohio had a less than 50/50 chance of having their baby in a hospital with staff who did their best to help moms get started with breastfeeding. Moms across the country had a slightly better chance, but not by much.

Hospitals across Ohio have been working hard to improve moms' odds. By 2011, nearly two-thirds of Ohio hospitals could assure prospective moms they would get the help they needed to start breastfeeding, outpacing the national rate by nearly 10 points.
What’s the story? More could be done

Although Ohio moms a better chance of getting the support they need than moms in other states, not much has changed since 2009. Good support is still rare.

In 2009, nearly 60% of hospitals across Ohio hospitals left moms to fend for themselves with any breastfeeding problems once they left the hospital. Nationwide, more than two thirds of hospitals failed to make sure moms connected to the support and help they needed with breastfeeding problems.

Two years later not much had changed. Though better than the national rate, Ohio moms were still more likely to have their baby in a hospital that did not provide her the discharge planning and support she will need to be able to continue breastfeeding.

BFHI practices – Who determines Prevalence of ideal practices?

Moms and Families
Partner Organizations

Prenatal Clinicians
Prenatal Nurses
Lactation Consultants
Childbirth Educators
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Postpartum Clinicians
Postpartum Nurses
Pediatric Clinicians
Pediatric Nurses

CDC’s mPINC Survey: Practical Applications of the Data
Use the data to make comparisons you haven’t seen before and find your story

– Practices by birth mode
e.g.: Tables 2.1 and 2.2 – breast milk as first feeding after vaginal and Cesarean births

– Years
e.g.: all 3 years for total score, a single subscore, a single practice

– States
e.g.: compare to the peer state your legislators talk about by name

– Individual facilities or set of facilities to state
e.g.: as in example of Ohio to US – gather Benchmark Reports from multiple facilities and aggregate them to compare to state or US

Be confident, be creative, be precise, be thoughtful, be fearless, fix hospitals.

Thank you so much for all that you do!

Questions: kshealy@cdc.gov