

CHAMPS Wednesday Webinar, Fall 2020 Series: October 28th, 2020

CHAMPS COVID-19 Survey II Results and Next Steps in Mississippi!

Presenters:

Anne Merewood, PhD, MPH, Director,
Center for Health Equity, Education, &
Research, Boston University School of
Medicine

Paige Beliveau, MA, CHEER Project
Manager



You can use the chat box for questions during the presentation.

Upcoming CHAMPS Wednesday Webinars

Webinars are held in collaboration with the Mississippi State Department of Health and the Bower Foundation

November 11, 12-1PM US CT/1-2PM US ET Frontline Workers: Nursing Experiences During the Pandemic and Beyond

Presented by:
Laura Burnham, MPH, CHEER
Project Director, and
Amy Swales, BSN, RNC-OB,
Mississippi CHAMPS Hospital
Consultant



If there are topics you would like covered, please email: CHAMPSbreastfeed@gmail.com

For slides and recordings of past webinars, visit: cheerequity.org/webinars.html

CHAMPS Projects in Mississippi – Upcoming and Ongoing

Presented by: Anne Merewood

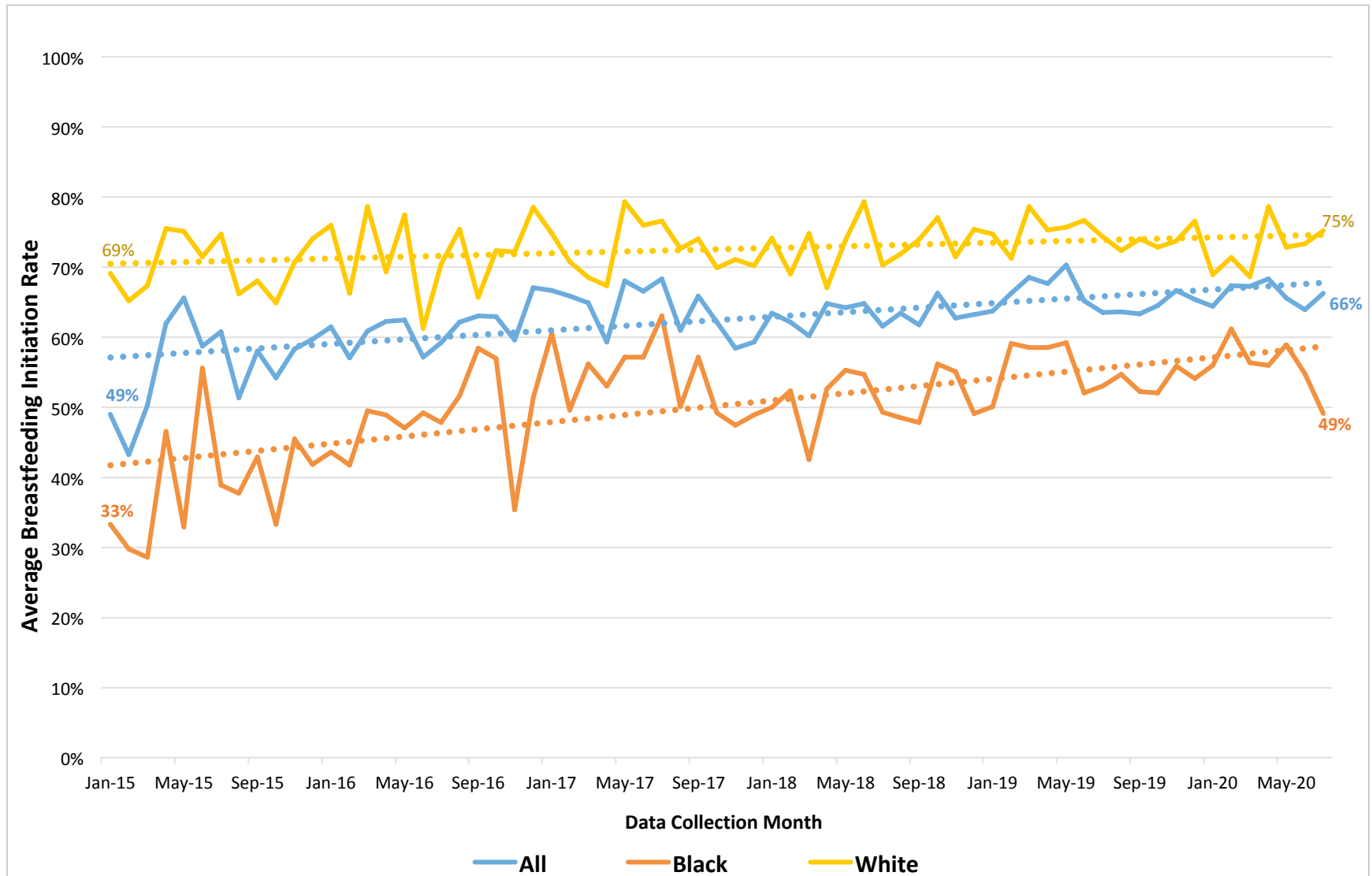
Director, Center for Health Equity, Education, &
Research, Boston University School of Medicine

CHAMPS Updates

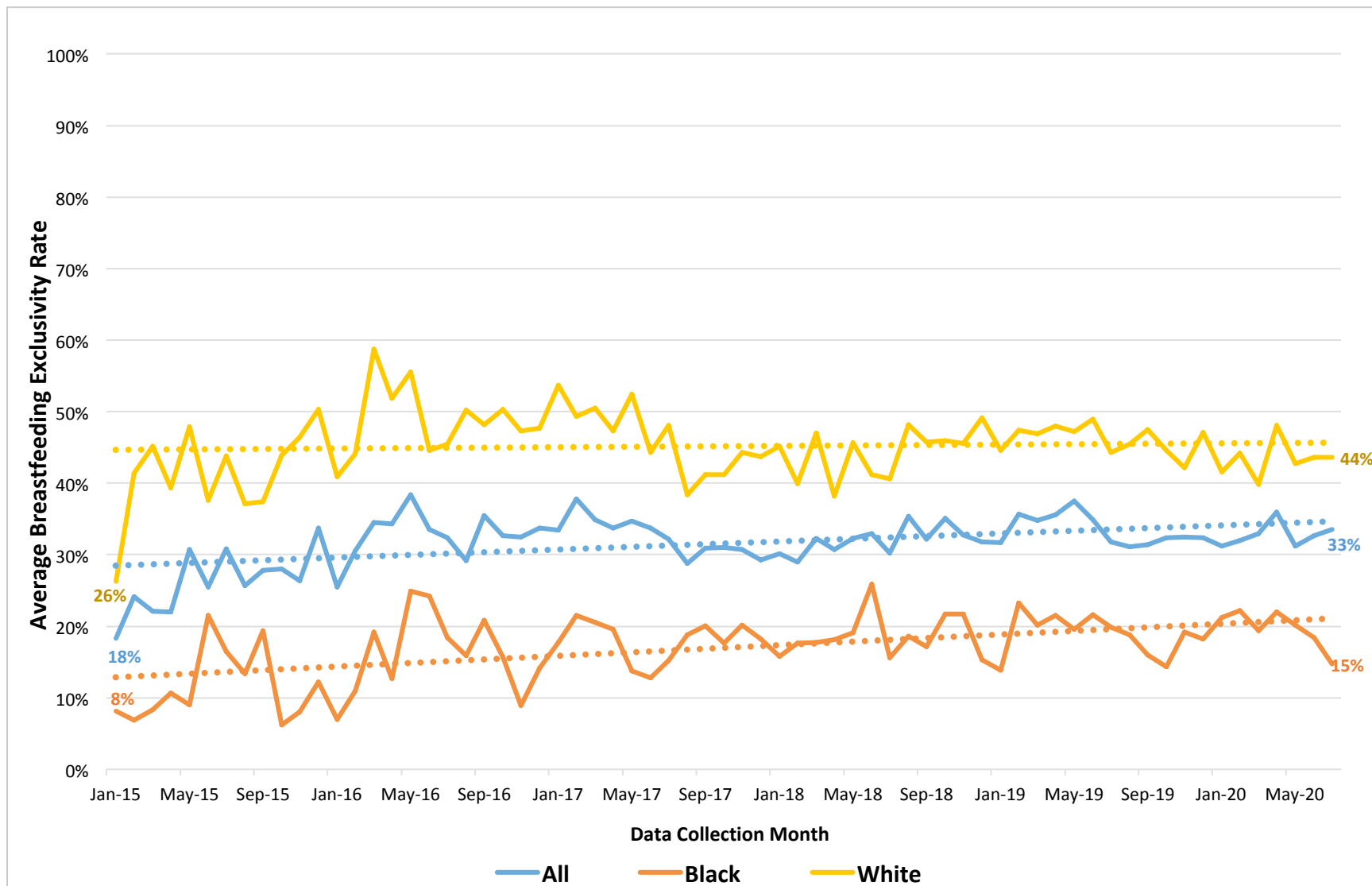
- 22 MS hospitals have been Baby-Friendly designated
 - 60% of births in MS are in Baby-Friendly Hospitals!
- Congrats to the most recently designated hospitals:
 - Ocean Springs
 - Gulfport Memorial
- MS CHAMPS has new funds from Kellogg through 2023!



Results: MS CHAMPS Rates of Breastfeeding Initiation



Results: MS CHAMPS Rates of Breastfeeding Exclusivity



CHAMPS RAMPS 2020-23

Overall Goal

Increase breastfeeding initiation and exclusive breastfeeding rates in Mississippi, and decrease racial disparities.

Funded by the W. K. Kellogg Foundation



CHAMPS RAMPS

Goals

1. *Support* all hospitals in Mississippi to seek and maintain Baby-Friendly designation
2. *Collaborate* with Mississippi's HBCUs
3. Assess the current quality and quantity of breastfeeding support in prenatal care settings
4. Assess and *improve* workplace support for breastfeeding mothers



Support all MS hospitals to seek and maintain Baby-Friendly designation

- Since 2014, **21** MS CHAMPS hospitals have been Baby-Friendly designated
 - **60%** of MS births are now in Baby-Friendly Hospitals
- This grant allows CHAMPS to work with remaining MS hospitals to provide TA as they achieve designation

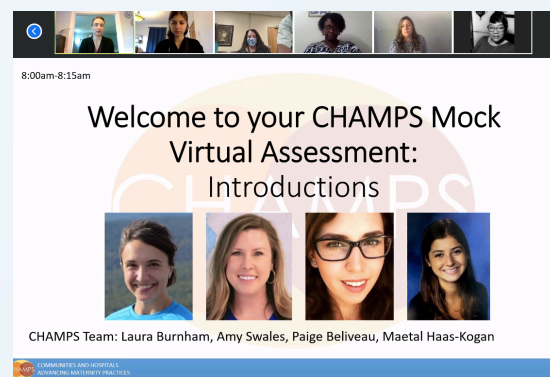


HOW?



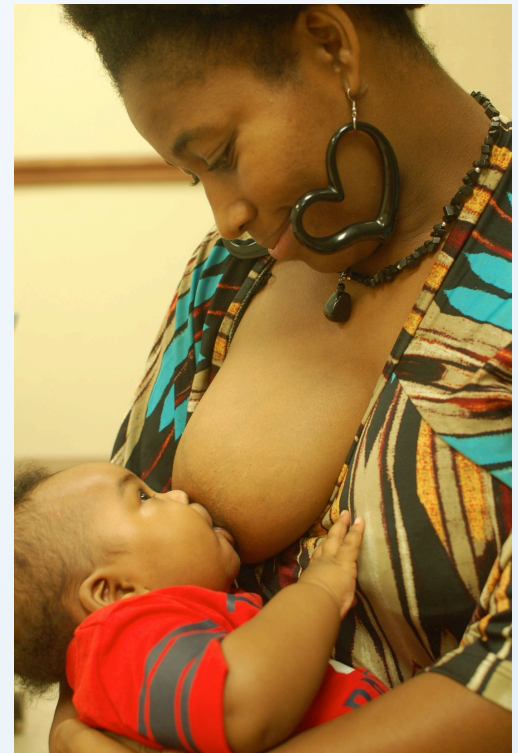
Support all MS hospitals to seek and maintain Baby-Friendly designation

- ✓ 'Virtual' mock assessments
- ✓ Staff training
- ✓ Intensive support plans for hospitals and communities
- ✓ Collaboration with community partners
- ✓ Support for designated hospitals
- ✓ Monthly hospital data collection



Collaborate with Mississippi's HBCUs to promote maternal child health, and to increase breastfeeding rates among African American women

- ✓ Networking
- ✓ Training
- ✓ Educational resources
- ✓ Work on interprofessional education (IPE)



Assess quality and quantity of breastfeeding support in prenatal care settings in selected locations

- ✓ Needs assessments using the Mobilizing for Action through Planning and Partnerships (MAPP) framework



<http://www.healthydouglas.org>

Assess and improve workplace support for breastfeeding mothers

- ✓ Assess lactation support in businesses in East Biloxi, Sunflower County, and Jackson
- ✓ Establish or enhance lactation accommodations for employees and patients in hospitals, to serve as a model
- ✓ Create Mississippi-specific toolkit for employers, to facilitate lactation provision in the workplace



Collaborating Partners – Collaboration is Key!

- Blue Cross and Blue Shield of MS
- Jackson State University
- Reaching our Sisters Everywhere (ROSE)
- Baby-Friendly USA
- Every Mother, Inc.
- Delta Health Alliance
- MSDH WIC
- Mississippi State Council of the Society for Human Resource Management
- Mississippi Chamber of Commerce
- Mississippi Perinatal Quality Collaborative
- Hospitals all across MS
- And more



BlueCross BlueShield
of Mississippi
It's good to be Blue.



MISSISSIPPI STATE DEPARTMENT OF HEALTH



COVID-19 Response at 31 Birthing Hospitals in Mississippi

Presented by: Paige Beliveau, MA

CHEER Project Manager, Center for Health Equity Education and Research,
Boston Medical Center and Boston University School of Medicine



W.K.
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This project was funded by grants from the
W.K. Kellogg Foundation and the Bower
Foundation

The BOWER®
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COMMUNITIES AND HOSPITALS
ADVANCING MATERNITY PRACTICES

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Background

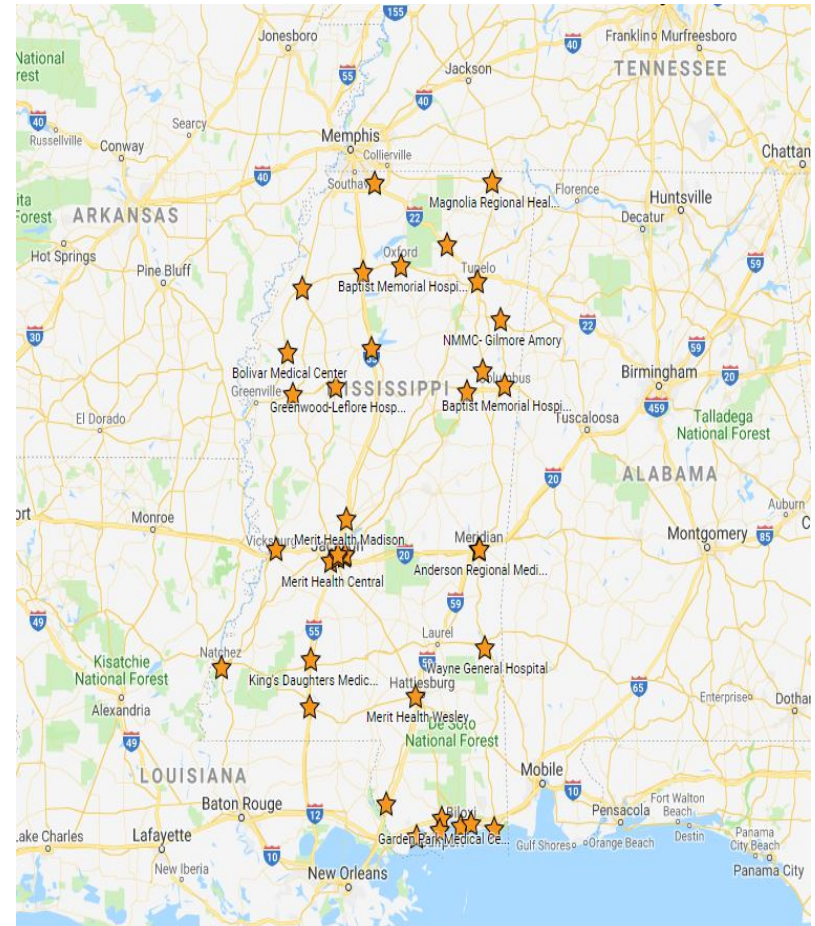
- Guidance on caring for postpartum mothers and newborns during COVID-19 is evolving, and sometimes conflicting
- Recommendations can influence breastfeeding, which is an important preventive strategy during epidemics
- Hospitals' responses to the COVID-19 pandemic can help guide future policy decisions



Mother wearing a mask while nursing
Image Credit: Getty Images

Background

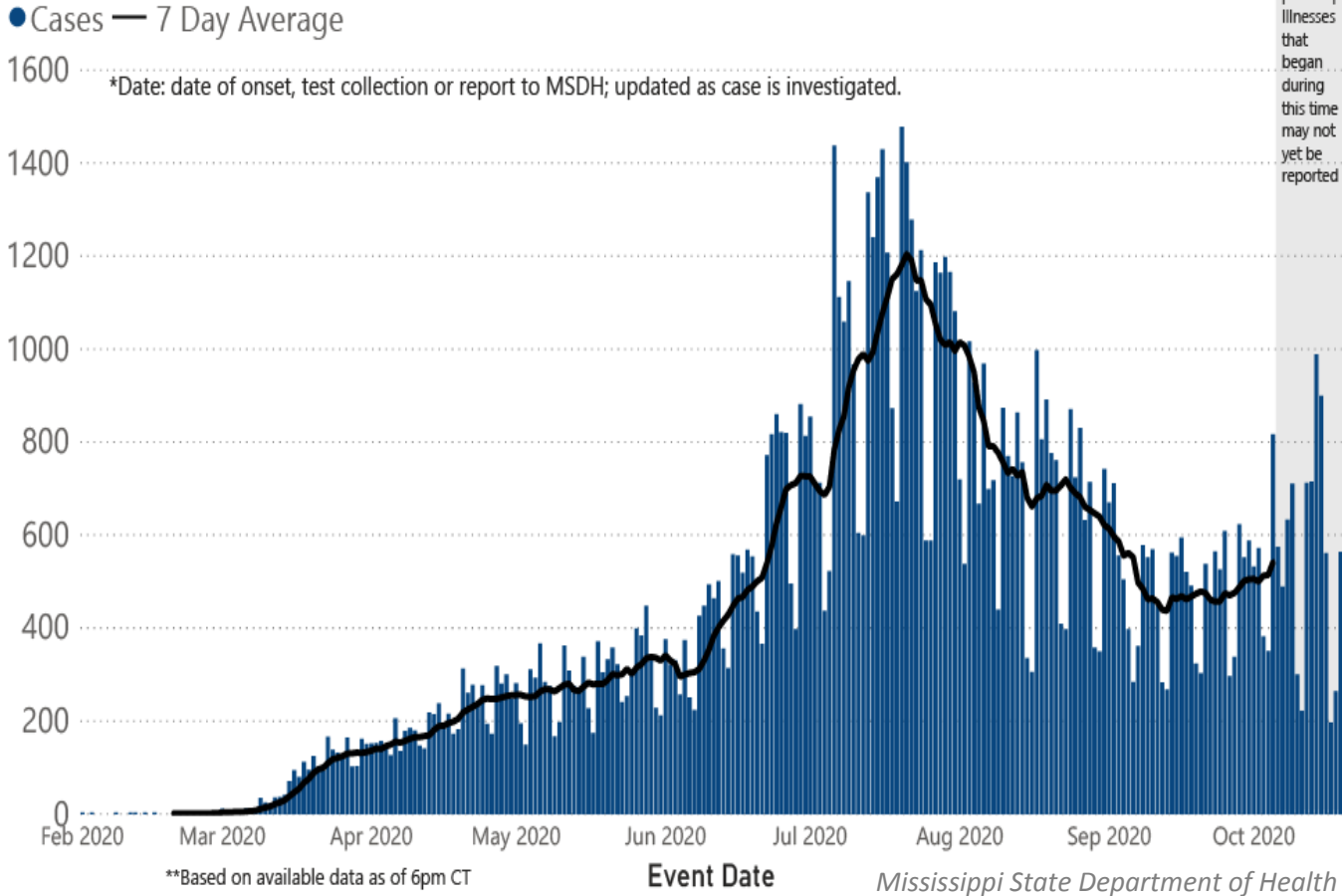
- Communities and Hospitals Advancing Maternity Practices (CHAMPS) works with hospitals to improve breastfeeding through adopting evidence-based maternity care practices and achieving WHO's Baby-Friendly designation
- CHAMPS started in 2012 and began in Mississippi in 2014
- 42 birthing hospitals in Mississippi, 38 are enrolled in CHAMPS
- First COVID -19 case in Mississippi identified on March 11, 2020



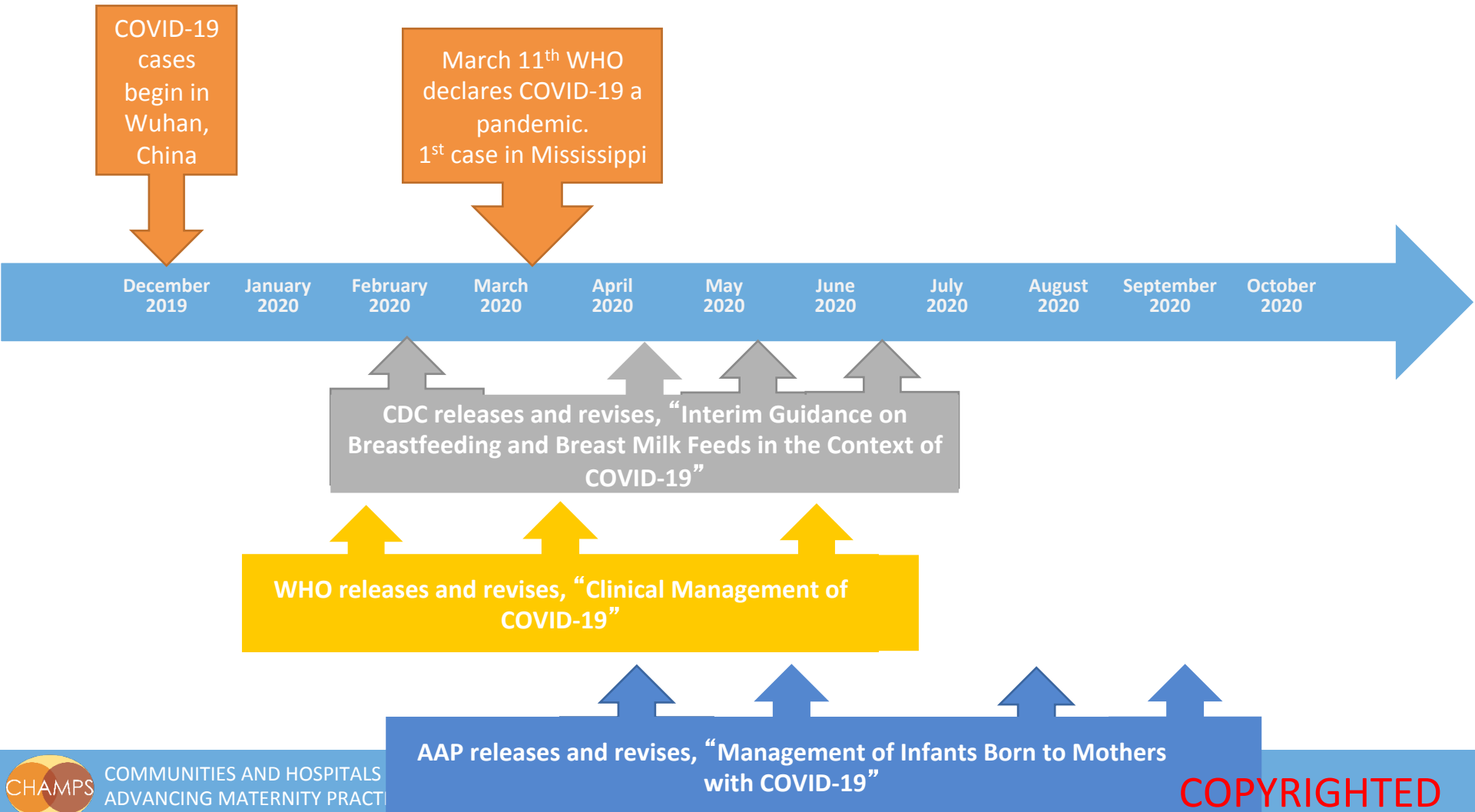
Map of Mississippi birthing hospitals enrolled in CHAMPS

Background

COVID-19 Cases by Date* through October 19, 2020**, Mississippi



Background: Timeline of COVID-19 Guidelines



Aims

1. Assess changes in maternity care policies/guidelines in the Mississippi CHAMPS cohort
2. Compare breastfeeding initiation and exclusivity rates before and during the COVID-19 pandemic



A Mother in the hospital seeing her infant over video

Image Credit: Victor J. Blue for The New York Times

Methods: Survey on Hospital Policy

- Surveyed Mississippi CHAMPS hospitals in the spring (May/June) and fall (Sept/Oct) of 2020 about the effects of COVID-19 on maternity care practices
- Questions grouped into 3 categories:
 1. Number of suspected and/or confirmed COVID-19 cases
 2. Screening and testing questions
 3. Policy-related questions:
 - Visitation
 - Skin-to-skin care
 - Rooming-in
 - Length of stay
 - Post-discharge infant follow-up



Mother in a mask experiencing skin-to-skin with newborn after birth

Image Credit: Dario Sintoni

Methods: Monthly Breastfeeding Data

Measures

- Hospitals were already submitting monthly aggregate data by race/ethnicity to CHAMPS
 - Breastfeeding initiation: infant receiving any breast milk during the initial hospital stay
 - Exclusive breastfeeding: infant receiving only breast milk
 - Follow the Joint Commission criteria for excluding patients

Analysis

- Compared breastfeeding rates before COVID-19 (December 2019/January 2020) to rates after the pandemic began (April 2020/May 2020)
- Used generalized estimating equations with a negative binomial distribution, an exchangeable correlation matrix and robust standard errors to account for repeated observations over time
- Analyzed data overall and stratified by race/ethnicity

Results: Survey on Hospital Policy

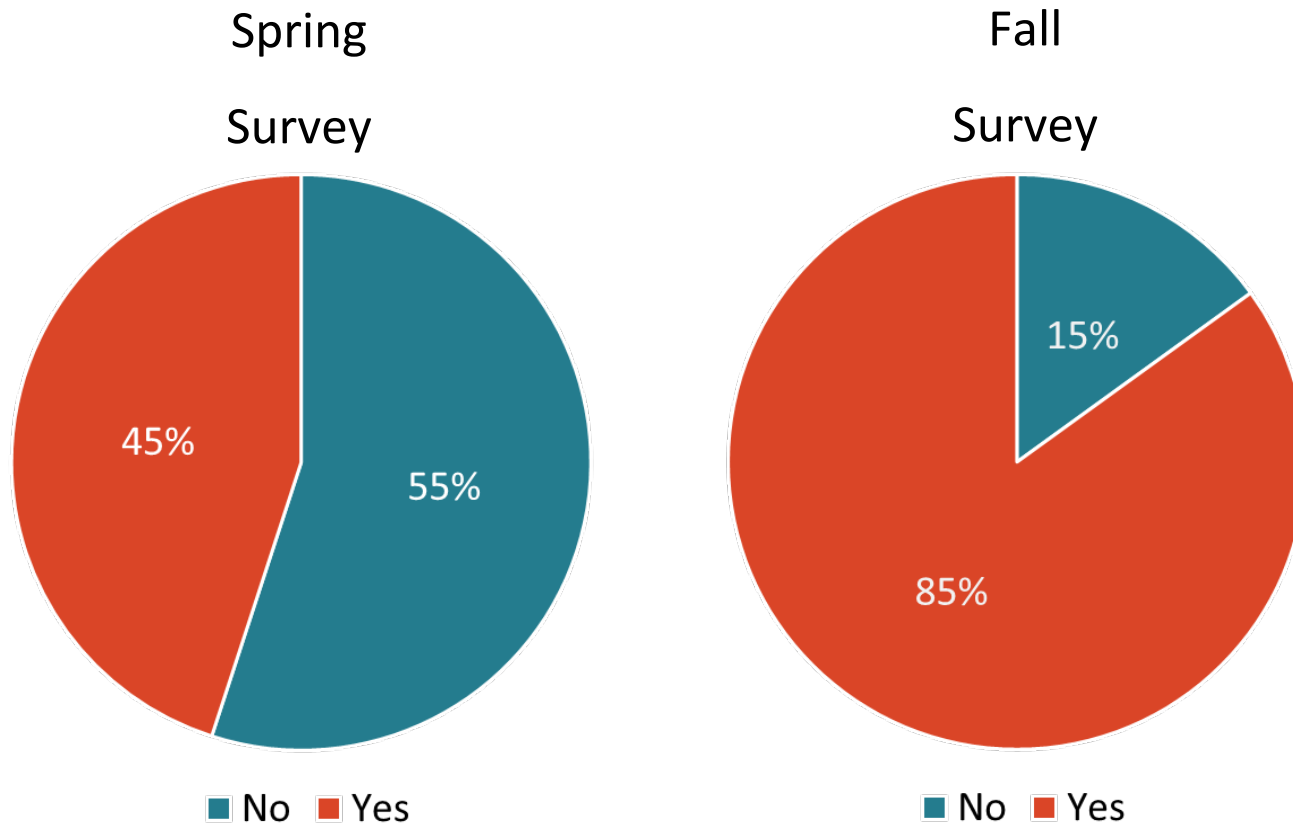
- Of the 38 hospitals surveyed:
 - 31 responded to the spring survey
 - 26 responded to the fall survey
 - 63% of participants responded to both surveys



Image Credit: UW Medicine

Results: Survey on Hospital Policy

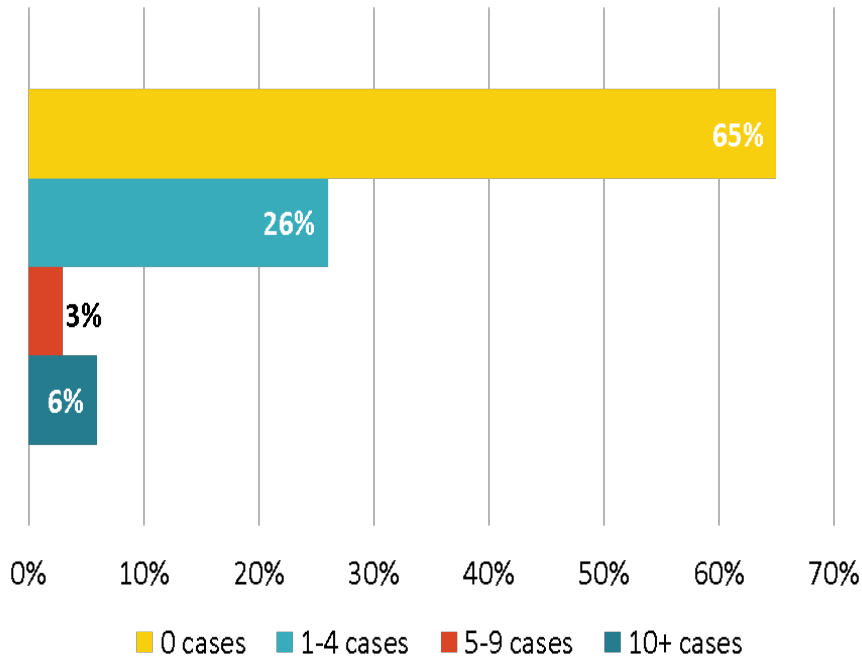
Hospitals with a PUI/COVID+ Patient Who Gave Birth



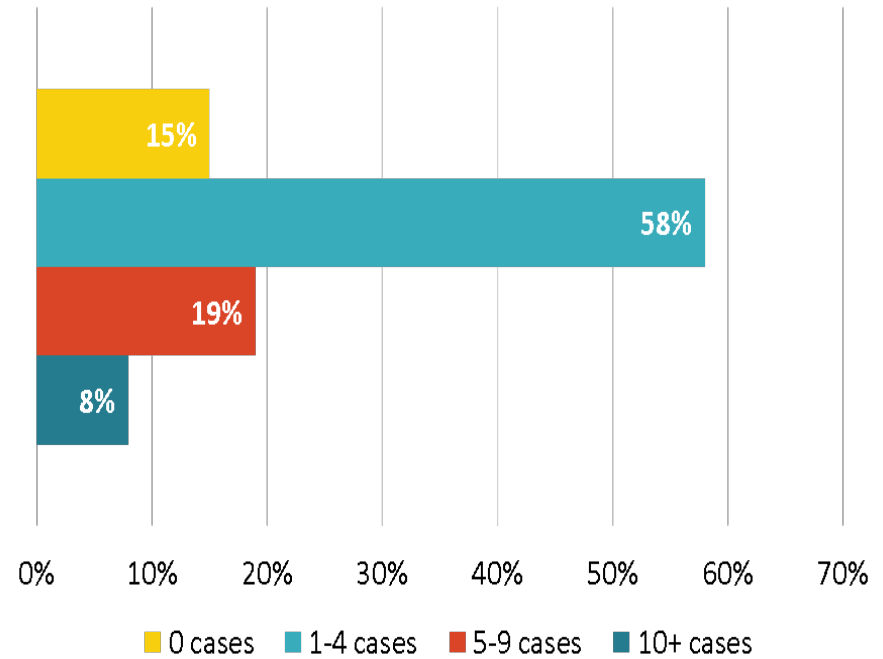
Results: Survey on Hospital Policy

Number of COVID-19+ Patients Giving Birth at Each Hospital

Spring Survey



Fall Survey



Results: Testing and Screening

Testing and Screening Questions	Spring Survey	Fall Survey
	%	%
Is your hospital <u>SCREENING</u> women who give birth at your hospital for COVID-19?		
We screen all maternity care patients	100%	100%
Is your hospital <u>TESTING</u> maternity care patients for COVID-19?		
We test all maternity care patients	45%	50%
We test women whose screen reveals positive risk factors	19%	35%
We are not testing any maternity care patients at this time	23%	4%

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Results: Skin-to-Skin Hospital Policy



Mother in a mask experiencing skin-to-skin with newborn after birth

Image Credit: Dario Sintoni

Results: Skin-to-Skin Hospital Policy

Skin-to-Skin Hospital Policy Questions	Spring Survey	Fall Survey
	%	%
How does your unit manage STS in the 1st hour after birth for <u>HEALTHY</u> mothers and babies?		
We adhere to our normal STS practices	71%	85%
We encourage STS along with new practices to prevent infection	13%	15%
We use a “shared decision making” approach to STS	13%	0%
How does your unit manage/plan to manage STS in the 1st hour after birth for <u>COVID+/PUIs</u> mothers?		
We encourage STS along with new practices to prevent infection	23%	62%
We use a “shared decision making” approach to STS	29%	12%
We do not allow STS/we counsel mothers against STS	29%	19%

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Results: Rooming-in Hospital Policy



Image Credit: US Breastfeeding Committee

Results: Rooming-in Hospital Policy

Rooming-in Hospital Policy Questions	Spring Survey	Fall Survey
	%	%
How does your unit manage rooming-in for <u>HEALTHY</u> mothers and babies?		
We adhere to our normal rooming-in practices	71%	54%
We are strengthening our rooming-in recommendations	29%	46%
How does your unit manage or plan to manage rooming-in for a <u>PUI</u> mother?		
We encourage rooming-in with new practices to prevent infection	32%	65%
We use a “shared decision making” approach to rooming-in	26%	12%
We do not allow rooming-in	19%	12%
How does your unit manage or plan to manage rooming-in for a <u>COVID+</u> mother?		
We encourage rooming-in with new practices to prevent infection	16%	58%
We use a “shared decision making” approach to rooming-in	23%	15%
We do not allow/we counsel mothers against rooming-in	42%	19%

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Results: Breastfeeding Guidance

Breastfeeding Guidance Questions	Spring Survey	Fall Survey
	%	%
What is your unit recommending as a feeding plan for mothers who are <u>COVID+/PUIs</u>? (Check all that apply)		
Direct, exclusive breastfeeding	16%	23%
Direct, exclusive breastfeeding, and advising mothers to wash their hands and wear a mask while breastfeeding	29%	62%
Direct, exclusive breastfeeding, and advising mothers to clean the breast before breastfeeding	13%	19%
Feeding expressed milk to the baby instead of direct breastfeeding	52%	27%
My hospital advises formula feeding	3%	8%

Results: Breastfeeding Guidance

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Results: Guideline Development

Guideline Development Questions	Spring Survey	Fall Survey
	%	%
What guidance did you use to create your practice guidelines for COVID+/PUI patients? (Check all that apply)		
Centers for Disease Control and Prevention	84%	73%
American Academy of Pediatrics	61%	77%
World Health Organization	45%	23%
Academy of Breastfeeding Medicine	10%	12%
Have you changed your COVID-19 Practice Guidelines over the course of the epidemic?		
Yes	NA	73%
No	NA	15%

Results: Guideline Development

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Centers for Disease Control and Prevention	84%	73%
American Academy of Pediatrics	61%	77%
World Health Organization	45%	23%
Academy of Breastfeeding Medicine	10%	12%
Have you changed your COVID-19 Practice Guidelines over the course of the epidemic?		
Yes	NA	73%
No	NA	15%

Results: Monthly Breastfeeding Data

- 35 hospitals contributed monthly data (including all that answered the survey)
- GEE models tested for differences in hospital-level breastfeeding rates before and after the start of the pandemic and did not find statistically different rates, overall or by race

Hospital-level Breastfeeding Rates before and after the Pandemic Began (N=35)

	Before Pandemic (Dec/Jan)		After Pandemic Began (April/May)	
	Median	IQR	Median	IQR
Exclusive Breastfeeding	33.3	15.2 to 42.6	33.8	21.0 to 44.7
Breastfeeding Initiation	67.1	54.5 to 75.8	68.9	56.3 to 75.0

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Breastfeeding Initiation	67.1	54.5 to 75.8	68.9	56.3 to 75.0

Discussion

- The hospitals varied significantly in their approach and practice in the early stages of the pandemic when guidance from national and international authorities was inconsistent
- By the fall, more hospitals had cared for mothers with COVID-19
- In the fall survey, for PUI/COVID+ mothers, hospitals were more likely to recommend:
 - Skin-to-skin
 - Rooming-in
 - Direct breastfeeding
 - Oftentimes with extra safety precautions



Discussion

- Rates of breastfeeding initiation and exclusivity remained consistent in this cohort of hospitals
- This could be due in part to this cohort's commitment to the Baby-Friendly Hospital Initiative
- It will be important to continue to follow changes in breastfeeding rates as time goes on

Breastfeeding mothers and COVID-19



If you are sick with COVID-19 or think you might have it, follow these steps when breastfeeding:



Use a medical mask when near your child



Wash your hands thoroughly with soap or sanitizer before and after contact with your child



Routinely clean and disinfect any surfaces you touch

Conclusion

- Interpreting and adapting COVID-19 guidelines happens at a local level by individual hospitals
 - Mississippi maternity hospitals adopted a range of COVID-19 policies
- So far, breastfeeding initiation and exclusivity rates did not change significantly



King's Daughters Medical Center Baby-Friendly Team



Highland Community Hospital Baby-Friendly Team





Thank you for joining!

Tune in on November 11th for the next webinar:
***Frontline Workers: Nursing Experiences During
the Pandemic and Beyond***

Presenters: Amy Swales, BSN, RNC-OB, and Laura
Burnham, MPH

