

Social Drivers of Breast/Chestfeeding

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Financial Disclosures

- I am a Co-Investigator for a clinical trial funded by an NIH NICHD R01 and March of Dimes studying the impact on financial transfers on human milk provision and skin-to-skin in low-income parents.
- I am a K12 BIRCWH (Building Interdisciplinary Research Careers in Women's Health) Scholar studying skin-to-skin in the NICU.

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Personal Disclosures

- I'm a Cuban-American cis woman
- · Neonatologist & Researcher
- I'm a mother of 2 healthy term children
 - I was not breastfed
 - Latch difficulties
 - Proud exclusive pumper
 - Supportive partner



Language

- Breastfeeding or chestfeeding
- Birthing parents
- Breastmilk or parent's milk

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Objectives

3

- Review social factors that contribute to breastfeeding inequities.
- Emphasize the importance of centering the parent voice in understanding and addressing breastfeeding inequities.
- Identify strategies for incorporating lived experiences into effective Interventions.
- Formulate actionable steps that stakeholders can take to promote breastfeeding equity and support parents in meeting their feeding goals.

Today: Focus on in-hospital lactation support

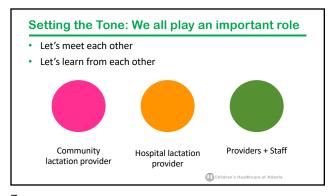
I don't have all the answers, but I am committed to learning.

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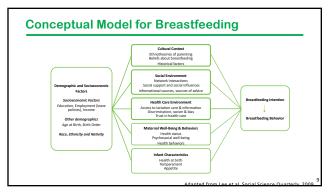
Setting the Tone: Lactation support is a team sport

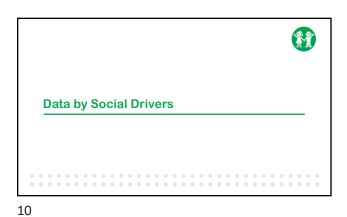
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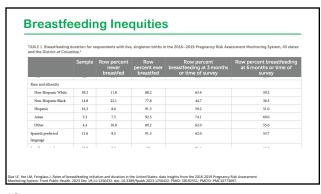
Breastfeeding Inequities − Race
 Structural racism → inequitable distribution of SDOH
 Personally mediated racism and bias
 Historical trauma

Marks KJ, Nakagama JY, Ching JN, Chap ME, Aratey B1 Bourdy ED, Harmer HS, LIR Diaggraphin of Breatfeeding Visition Returns by Race and Ehrichy- United States. 2020-2021. Prev Chrenc Ed. 2020 Des VADE F14. de 50 (2008) ED, Nature MED, STORING STATE Character Media States. 2020-2021. Prev Chrenc Ed. 2020 Des VADE F14. de 50 (2008) ED, Nature MED, STORING STATE MED STATES CHAPTER STATES. 2020-2021. Prev Chrenc Ed. 2020 Des VADE F14. de 50 (2008) ED, Nature MED, STORING STATES CHAPTER STATES

Breastfeeding Inequities – Ethnicity

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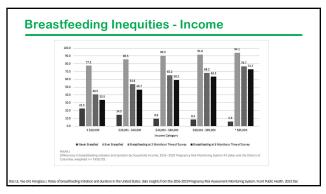
Racial and Ethnic Groupings Caveat*

- · Social and cultural groupings
- Evolving
- · Exposure to racism and discrimination
- · Intersectional with other factors like SDOH

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Breastfeeding Inequities - Education

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Breastfeeding Inequities - SES

- Education → Improved job mobility and wealth → financial support
- Financial support:
 - $\boldsymbol{-}$ Access to more lactation support
 - Breast pumps and supplies
 - Paid support for childcare or other household tasks
- Breastfeeding. Is. Not. Free.

Dat II, Net IM, Ringlas I. Rate of braseRednig initiation and duration in the United States: data insights from the 2006-2019 Programy, Risk Assessment Monitoring System. Florat Rubbit Health. 2023 Doc. 1811;125442. PM 2018 3815555; PM 2018 PM 2017/97887.
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Breastfeeding Inequities - Food insecurity

- · Food insecurity is associated with shorter breastfeeding duration
 - A study by de Brito et al. found that mothers experiencing food insecurity had a lower prevalence of breastfeeding at four months postpartum (adjusted prevalence ratio [aPR] 0.65; 95% CI, 0.43-0.98).
 - Buccini et al. reported that household food insecurity (HFI) is associated with lower odds of exclusive breastfeeding (EBF) with an odds ratio (OR) of 0.61 (95% CI, 0.49-0.76).

e Brito IN, Friedman IK, Johnson ST, Berge IM, Mason SM. Exploring the associations of food and financial insecurity and food assistance with breastfeeding practice mong first-time mothers. Public Height Nutr. 2024 Sps (2711):e160. doi: 10.1017/S1368980024001514. PMID: 19238065; PMID: PMID: PMID: 190711505288. Count of La Carrior, Chapunger S, Palaya M, Kohnegal SM, Promos, Gobert MB. Complex interturined association between breastfeeding practices and household old inscrumity. Systematic review and meta-analysis. Matern Child Nutr. 2024 Oct;20(4):e13696. doi: 10.1111/mcn.13696. Epub 2024 pil 3. PMID: 38960401, PMICI MC11374660.

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Ernst A. Lee N. Karamanian V. Building a Policy: Ten Steps to a Breastfeeding-Friendly Shelter. J Hum Lact. 2020 Nov;36(4): 795-802. doi: 10.1177/0890334420935822. Epub 2020 Jun 24. PM 32579055.

Richards R, Merrill RM, Baish L. Health behaviors and infant health outcomes in homeless pregnant women in the United States. Pediatrics. 2011 Sep;128(3):438-46. doi: 10.1542/peds.201

20

Breastfeeding Inequities - PMADs and Stress

- Perinatal mood and anxiety disorders (PMADs) are associated with decreased breastfeeding initiation and shorter duration
- Psychological distress can impair the release of oxytocin and elevate cortisol levels → decreased milk production
- Black and Hispanic birthing parents are more likely to experience PMADs (SDOH, negative birth experiences)



(SDOH, negative birth experiences)

Nagel EM, Howland MA, Pando C, Stang J, Mason SM, Fields DA, Demerath EW. Maternal Psychological Distress and Lactation and Breastfeeding Outcomes: Narrative Review Clin Ther. 2022 Feb: 84(21:215:227. doi: 10.1016/j.clinthera. 2021.11.007. Enub 2021. Der 20. PMID: 34937662-PMCID: PMC8960332

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Breastfeeding Inequities - NICU

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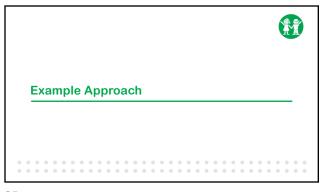
Hospitals:

How we can Center the Patient Voice

Methods

- Learn directly from parents
 - Interviews, focus groups
- Surveys
- Gemba walk: "go and see"
- · Women's Health Advisory Council
- Community partners

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Methods

- Community-engaged research
- Mixed Methods:
 - Semi-structured phone interviews 2-16 weeks postpartum
 - 15 question survey on sociodemographic factors and feeding information sources
- Interviews and survey conducted by a community partner who identifies as Black with expertise in
 - Chest/breastfeeding
 - Trauma-informed care



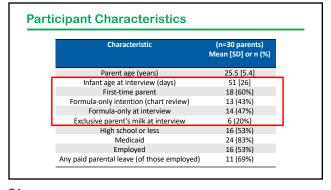


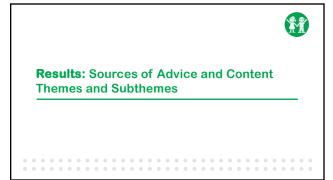


Sampling

- Sample: Postpartum parents who self-identify as Black or African American
- Sampling:
 - <u>Convenience sampling:</u> Post-partum patients admitted at HUP
 - Purposive sampling: Formula v. any parent's milk intention during postpartum hospitalization (chart review)

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Themes and Subthemes: Theme 1 Theme 1. Friends, family, and partner advice largely influenced the ultimate feeding plan Subtheme 1. Experiences and opinions of friends and family influenced the advice they provided. * "My mom, she has two and we was breastfed, and so she knew and gave me information about it." * "Everybody was saying just if it don't work out, just use the formula because it...worked for them more than producing breastmilk."

Subtheme 2. Some parents decided to try chest/breastfeeding despite discouraging advice.

• "The people I'm around, it's not a norm to them. Even when I was doing it, I had everybody like what... he gonna be clingy, oh, your breast gonna get saggy...which I didn't care about because if I wanna breastfeed my child..."

Theme 1. Friends, family, and partner advice largely influenced the ultimate feeding plan Subtheme 3. Peer parents provided logistical advice. "...she showed me over FaceTime what to do. She came to my house and helped. So even though she didn't continue with it, she has a lot of information to share with me and it helped a lot." Subtheme 4. Partners can be important sources of motivational support. "My fiancé tells me not to stop, like, to keep going. Because I cried like the first three days home. And he just kept pushing me to keep going..."

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Theme 2. Prenatal discussions with obstetric providers ranged from superficial to more in-depth. - "And it wasn't really conversations. They just asked...how I wanted to feed, and I would tell them breastfeeding." - "...going a little deeper on both ends...and so she gave me all these examples of the type of mom you could be and...none of it's wrong...And that, to me, just that openness...as long as the baby eats, it's fine."

Theme 3. Lactation support and advice varied.

Subtheme 1. Some felt the lactation support was supportive, while others felt pressured to chest/breastfeed.

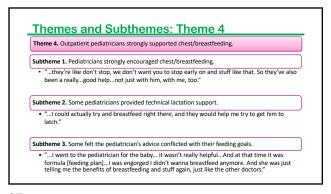
• "...they were very, very helpful each time...They came running every time I would call..."

• "...we supplemented at nighttime with formula and the look on her (lactation consultant) face was like, she was mortified, but didn't want to say."

Subtheme 2. Some parents desired more chest/breastfeeding advice before formula was introduced.

• "I was gonna actually do both because I was gonna go back to work...but nobody never came by to actually, oh, let's see, let's try it. They was just giving me bottles."

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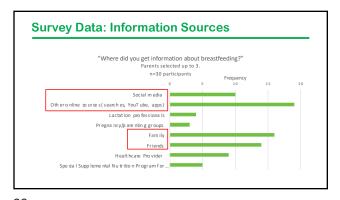


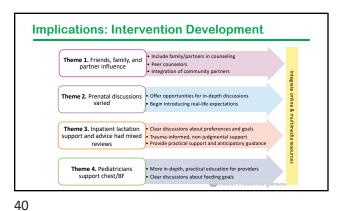
Parent expectations, surprises and barriers (opportunities for intervention/education)

Surprise about pain and engorgement
Concern about inadequate supply early on
Surprised that latching may not come easily
Desire to learn more about pumping, milk supply and milk management
Plans to return to work influence feeding goals
Prior breastfeeding experiences impact future feeding goals
Parents who desire to provide both parent's milk and formula are navigating the real world in a variety of ways

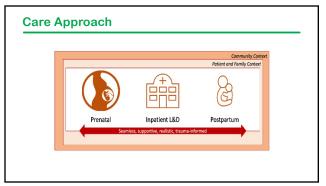
Formula is perceived as more convenient, especially to avoid challenges related to chest/breastfeeding

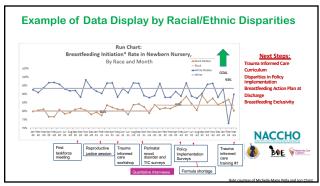
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Culture

- Culture of parents' milk as the norm
 - Still with inclusivity and acceptance of all feeding goals
- Current state: The lactation support a parent receives is dependent on where a parent delivers
 - Ultimate goal: A t<u>rue</u> standard of care that is communityengaged and informed

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43

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Group Think: Breakout Groups

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separated from infant

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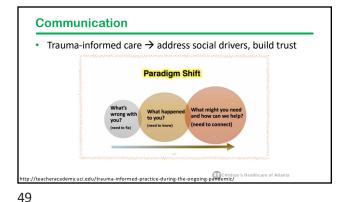
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• Fill out one row with your group • Ideally try to mix up the roles Community lactation provider Community lactation provider

Education that is culturally sensitive, relevant
 Aim to enhance self-efficacy
 Role of community
 Meet parents where they are: Where are families getting their information?

**It New Market and Control of Section 2016 (2016)

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Lactation staffing

- · Diversifying the workforce
 - Only 1.6% of surveyed IBCLCs in 2011 identify as Black,
 4.7% as Hispanic, 1.4 % Asian/Pacific Islander, 0.8 %
 American Indian/Native Alaskan, 0.7 % mixed race, and
 3.7 % other
 - Structural barriers
- Peer counselors (example: WIC, community organizations)

nd E, Meyer A-M, Stuebe A, Costello R, Labbok M. Recognition of International Board Certified Lactation Consultants by health insurance providers in the United States: Results of a National Survey of no Consultants, Insurance of Human Lactation, 2013;79(4):517—756. doi: 10.1177/BR9073461.1369974

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Nursing & Provider Lactation Support

- Opportunities for training (Baby Friendly, CHAMPS, certifications, EPIC)
- · Care models to build capacity for lactation support
- Culture of shared responsibility: lactation, skin to skin

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Screening and Addressing for PMAD

- Trauma-informed care approach
- · Incorporated in all care
- Screening approaches
- · Access to support

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51

Addressing SDOH

- Individual: Screening, Referral, follow up
- Community:
 - Improving access to lactation support services (Zipmilk), home visits
 - Supporting community-based organizations
 - Improving access to affordable and nutritious foods
- · Policy: supporting CBOs, Paid maternity leave

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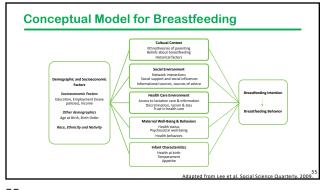
A Note on the NICU

 NICU: Supporting parents separated from infant

- Lactation staffing standards
- · Culture, skin-to-skin
- Structural considerations:
 - Visitation, rooming in
 - Breast pump access, supplies
 Storing breastmilk

Patel AL, Johnson TJ, Meler PP. Racial and socioeconomic disparities in breast milk feedings in US neona a lintensive care units (Pediatr Reg. 2021, Jan; 89(2):344-35: doi: 10.1038/s41390-020-01263-y. Epub 2020 Nov 13. PMID: 33188286; PMCID: PMC7662724.

53



Take Home Points

- · Every parent is doing their best.
- Breastfeeding is hard, especially in the US...
 - Families may also be facing adverse social drivers of health
- We all play a role: think about social drivers, trauma-informed care
 - Start somewhere
 - Bring these ideas back to your communities



55

Final Affirmations

- Patients matter.
- · They know themselves and their babies best.
- · You matter.
- · You are enough.
- We need you. We need each other. We all play a role.
- Your work is important.
- You bring value to patients' lives and health.



Thank you

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- · Claire Eden
- · Heidi Karpen
- GaPQC team Plug for GaPQC site visits
- HUP Team
- Grady team

Extra

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References

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