# Introduction to the Maine Safe Sleep Initiative

### Maine DHHS August 19, 2019

Virtual conference (audio/visual) via zoom: https://zoom.us/j/8061423002 or by phone: 19292056099,,,8061423002#



## Agenda

- 1. Welcome and Introductions
- 2. Call to Action: Review of Infant Mortality Data and Safe Sleep Research
- 3. Creating a Perinatal System of Care in Maine
- 4. Launch of DHHS Safe Sleep Campaign
- 5. Achieving <u>Cribs for Kids National Safe Sleep Hospital</u> <u>Certification</u>
- 6. Overview of Technical Assistance and Resources Available
- 7. Questions and Discussion

#### Welcome and Introductions

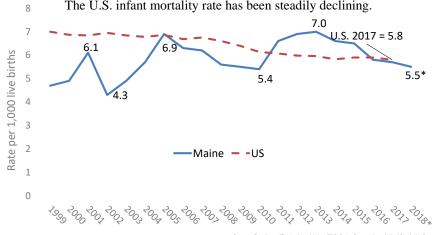
- · Northern Maine Medical Center
- Cary Medical Center
- AR Gould Hospital (TAMC)
- Houlton Regional Hospital
- Down East Community Hospital
- Maine Coast Memorial Hospital
- Mount Desert Island Hospital
- Mayo Regional Hospital
- Redington Fairview Hospital
- Northern Light/EMMC
- Inland Hospital
- Waldo County General Hospital
- Maine General Medical Center
- Franklin Memorial Hospital
- Central Maine Medical Center
- Rumford Community Hospital

- · Bridgton Hospital
- · Stephens Memorial Hospital
- St. Mary's Regional Medical Center
- Mid Coast Hospital
- · Lincoln Health Care, Miles Memorial
- · Penobscot Bay Medical Center
- Maine Medical Center/BBCH
- Mercy Hospital
- · Southern Maine Health Care
- York Hospital
- Maine CDC
- Maine DHHS
- Maine OCFS
- · Safe Sleep Champions
- Maine Hospital Association

3

# Call to Action: Review of Infant Mortality and Safe Sleep Data

Maine's infant mortality rate peaked in 2013 and has been declining. The U.S. infant mortality rate has been steadily declining.

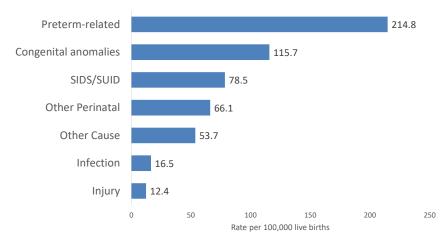


Source: Death certificate data, Maine CDC, Data, Research and Vital Statistics Program,
\*provisional rate

4

Updated 7/22/19

# Data on Leading Causes of Infant Mortality Maine, 2017-2018

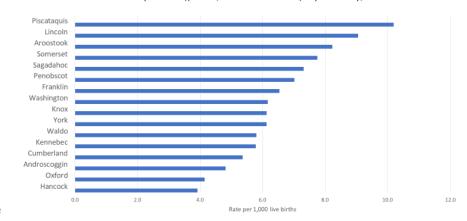


Source: Death certificate data, Maine CDC, Data, Research and Vital Statistics Program, 2018 data are provisional.

5

# Data on Infant Mortality Rates by County

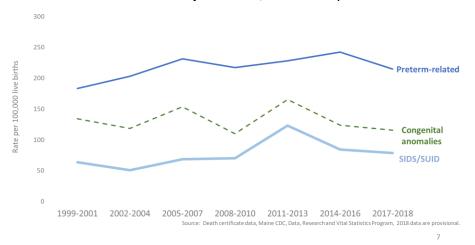
Maine infant mortality rates (per 1,000 live births) by county, 2014-2018\*



Source: Death certificate data, Maine CDC, Data, Research and Vital Statistics Program, \*2018 data are provisional

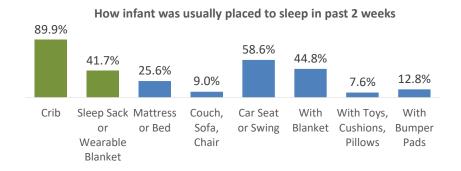
# Data on Causes of Infant Mortality

**Preterm-related conditions** have consistently been the leading cause of **infant mortality** in Maine, followed by **birth defects**.

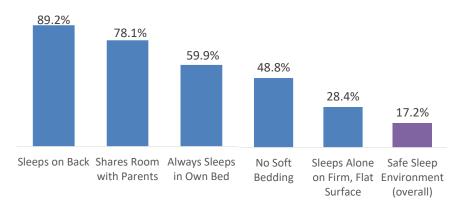


### Data on Components of Usual Sleep Environment

**Although 9 in 10** of Maine infants usually sleep in their own crib or bed, many infants are also placed in unsafe environments.



# Data on Safe Sleep Practices, Maine 2017



Maine Pregnancy Risk Assessment Monitoring System (PRAMS), 2017

Maine Department of Health and Human Services

9

# Data on Room Sharing

#### Few mothers received advice about room-sharing with infant



Maine Pregnancy Risk Assessment Monitoring System (PRAMS), 2017

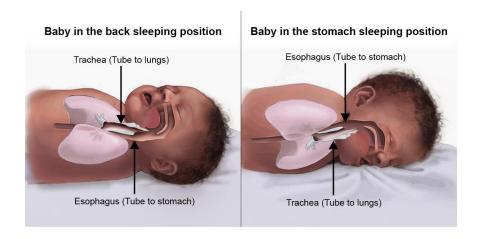
Maine Department of Health and Human Services

#### A Closer Look at SIDS/SUID Data

- 2015-Q1 2019: 45 deaths due to SIDS/SUID
- Chart review of Medical Examiner cases done in 2015-17: 32 babies died
  - 94% in unsafe sleep environments
  - Average age = 2.3 months
  - 75% male
  - All at home
  - How deaths were coded:
    - Asphyxia = 59%
    - SIDS with suboptimal sleep conditions = 3%
    - Undetermined = 6%
    - SUID with markedly suboptimal sleep conditions = 19%
    - SUID = 9% (3 babies) [of these, 2 bedsharing and 1 in car seat]
    - None documented = 3%

11

# Why Back to Sleep is Important



# Research on Safe Sleep

#### AAP Safe Sleep Task Force, 2016 Expanded recommendations

- Room-sharing without bedsharing
- Pregnant women- regular prenatal care
- Avoid smoke exposure, and alcohol and illicit drug use during pregnancy and after birth
- Breastfeeding is protective
- · Consider pacifier with sleep
- Home cardiorespiratory monitors do not reduce the risk of SIDS
- Commercial devices marketed to reduce the risk of SIDS are not studied

- · Back to sleep for every sleep
- Use a firm sleep surface
- Keep soft objects and loose bedding out of the crib
- Avoid overheating
- Tummy time

1

## Research on Risk Factors

- Increase risks of SUID with maternal smoking during pregnancy (Pediatrics, April 2019)
- Hazards of Carrying and Sitting Devices for Children Less than 2 years (J Pediatrics, 2015)
- Increase in risks of SIDS/SUID during cold weather due to "Extra blankets, warm clothes, which may lead to dangerous overheating." (NIH, 2010)

Maine Department of Health and Human Services

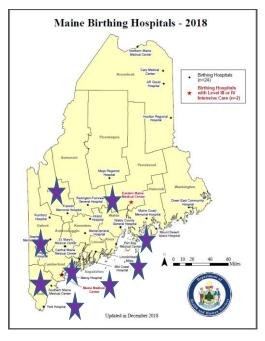
# Creating a Perinatal System of Care in Maine

- Looking closely at infant mortality rate and why Maine has one of the highest rates in New England
- Leading Maternal, Fetal and Infant Mortality Review Panel (MFIMR) and Child Death and Serious Injury Review Panel
- Launching a Safe Sleep Campaign for public and training around safe sleep for DHHS staff
- Working to improve CradleME process of referrals to PHN and Maine Families Home Visiting

15

## Creating a Perinatal System of Care in Maine

- Maine DHHS Rural Health Initiative
  - Studying Regional Models of Care and Access to Maternity Care in Maine
  - Will ask hospitals to complete Dartmouth Study on the impact of Rural OB Closures
  - Will ask birth hospitals to complete CDC LOCATe Tool to assess levels of perinatal care
- Encouraging hospitals to join the Northern New England Perinatal Quality Improvement Network (NNEPQIN) and the Perinatal Quality Collaborative for ME (PQC4ME) by Dec. 2019
- The March of Dimes will be hosting an Improving Perinatal Care in Maine Conference on October 1<sup>st</sup> at the Auburn Hilton Garden Inn



# Current Maine Members of NNEPQIN (19/26 birth hospitals)

Central Maine Medical Center Easter Maine Medical Center Franklin Community Health Network LincolnHealth Miles Hospital MaineHealth (7 sites) including MMC MaineGeneral March of Dimes New England Maine Chapter ACNM Maine Quality Counts/Qualidigm MidCoast Maine Hospital Pen Bay Medical Center Southern Maine Healthcare St. Mary's Waldo County General Hospital Western Maine Health York Hospital

FMI on NNEPQIN: Victoria.A.Flanagan@hitchcock.org.

17

# Launch of DHHS Safe Sleep Campaign: Media Campaign by CDC/Rinck

Drive people to www.safesleepforME.org





18

# Launch of DHHS Safe Sleep Campaign: Campaign Messaging

- TV
- Radio
- · Social Media
- Web ads
- YouTube
- · Paid Search





Maine Department of Health and Human Services

19

# Launch of DHHS Safe Sleep Campaign: Bouncer Video



Maine Department of Health and Human Services

### Launch of DHHS Safe Sleep Campaign: Safe Sleep Activities in Maine

- DHHS training and Partnership
- Public Service Announcements/Press Releases
- Triple P Training and Parenting Program
- Safe Sleep Coalition
  - Facilitated at Maine Children's Trust
  - Board Book Distribution (19/26 Birth Hospitals are delivering)
- Cribs for Kids (2010)
  - Over 1000 cribs distributed through Maine Families/Children's Trust
  - BBCH hospital distribution partner
  - Hospital Certification
  - Biennial conference
- Child Abuse Action Network training
- AAP EASE Project at BBCH on Safe Sleep

21

### Achieving Cribs for Kids National Safe Sleep Hospital Certification: Bronze

Bronze Level for <u>Cribs for Kids National Safe Sleep Hospital</u> <u>Certification Program</u> is free and requires hospitals to:

- 1. Develop a safe sleep policy statement incorporating the AAP's Infant Safe Sleep guidelines.
- Train staff on safe sleep guidelines, your hospital's safe sleep policy and the importance modeling safe sleep for parents.
- Educate parents on the importance of safe sleep practices and implement these practices in the hospital setting



## Achieving Cribs for Kids National Safe Sleep Hospital Certification: Silver and Gold

Silver: Certified Safe Sleep Leader

#### REQUIREMENTS

- Develop a safe sleep policy statement
- Train staff
- Educate parents
- Replace regular receiving blankets in nursery and/or NICU with wearable blankets to model no loose bedding in the crib.
- Program Evaluation annually through internal audit of PDSA Cycles.



**Gold: Certified Safe Sleep Champion** 

#### REQUIREMENTS

- Develop a safe sleep policy statement
- Train staff
- Educate parents
- •Replace regular receiving blankets
- Program Evaluation
- •Provide community and media outreach on safe sleep in your community.
- •Affiliation with or become a Cribs for Kids® partner and provide a safety-approved sleep alternative to at risk parents in your hospital



2

#### Safe Sleep Resources and Technical Assistance: Map of Maine Hospitals Already Certified



### Safe Sleep Resources and Technical Assistance

- DHHS has education and technical assistance available free of charge to any hospital who is committed to becoming a Safe Sleep Certified Hospital. For more information contact
  - Kelley Bowden, MS, RN, Perinatal Outreach Nurse Coordinator for the Maine CDC at <a href="mailto:bowdek@mmc.org">bowdek@mmc.org</a> at 207-662-2696
  - Jen Hayman, MD, Maine Physician Champion for Safe Sleep, Pediatric Hospitalist, The Barbara Bush Children's Hospital, at HAYMAJ@mmc.org.
- Questions about this initiative: Amy Belisle, MD, MBA, Chief Child Health Officer, DHHS Commissioner's Office, Amy,belisle@maine.gov.
- Questions about the Safe Sleep Campaign: Angie Bellefleur at the Maine CDC, Angie.bellefleur@maine.gov
- DHHS has started a resource list and welcomes your additions

25

## Safe Sleep Resources and Technical Assistance

- **Brochures/Materials/Books:** Maine Prevention Store: www.MainePreventionStore.org
- Cradle ME: Providers and/or birthing hospitals may refer clients to PHN and Maine Families Home Visiting via the CradleME referral form.
- Public Health Nursing: 1-888-644-1130 or visit <a href="https://www.maine.gov/dhhs/mecdc/public-health-nursing/">https://www.maine.gov/dhhs/mecdc/public-health-nursing/</a>
- Maine Families Home Visiting: 1-888-644-1130 or visit <u>www.mainefamilies.org</u>
- Tobacco Cessation
  - Maine Tobacco Helpline:1-800-207-1230
  - · Quitlinkwww.thequitlink.com





--

## Safe Sleep Resources and Technical Assistance: Sample Hospital Policies

MAINE MEDICAL CENTER Institutional Policy Manual

#### Policy Title: Safe Infant Sleep Practices in the Hospital

Policy Summary: It is the policy of Maine Medical Center to promote safe sleep practices including discouraging bed sharing. Maine Medical Center recognizes that healthcare professionals are important in communicating sleep related infant death reduction strategies to parents and families both through education and by modeling safe sleep practices while the infant is in the hospital.

#### Education and rationale:

Many factors increasing the risk of infant death while sleeping have been identified. They include: bed-sharing, prone sleeping, sleep surfaces that are soft (loose, fluffy bedding) and prone to infant entrapment, overheating during sleep, caregiver smoking (during pregnancy or in the infant's environment). Other situations which compound the risk include parents who are: fatigued, obese, tobacco smoke, sleeping with infant on a couch or recliner, or are impaired by alcohol or drugs (prescription, over-the-counter, and illegal)

As such, the BBCH Safe Infant Sleep Policy promotes the following safe sleep practices: proper position (supine), location (separate but proximate to the caregiver), and environment (no extraneous objects in sleep space, proper temperature, minimal bedding, and firm sleep surface).

27

## Safe Sleep Resources and Technical Assistance: Cribs for Kids Safe Sleep Audit Tool

 bs & Kids* every baby sleep safer p Audit To				ate: me of A		TIDS TOT KIGS, INC	:	
Head of bed	Patient	Multiple	Stuffed	Large or	Patient	Patient	Caregiver	1

Patient #	Head of bed Flat? Y or Degree of elevation	Patient Asleep Supine? Y or N	Multiple Blankets to Crib? Y or N	Stuffed Animals in Crib? Y or N	Large or Fluffy Blankets Around Pt.? Y or N	Patient in Nest Y or N	Patient Swaddled? Y or N	Caregiver asleep with baby? Y or N	Positioning Device used?  Y or N
1									
2									
3									
4									
5									
6									

## Safe Sleep Resources and Technical Assistance: Example of AAP EASE Project at BBCH

- · Environment and Sleep Education Hospital QI
- Goals
  - 80% sleep environment
  - 90% family education
- Baseline data and 3 sequential PDSA cycle implementation
  - Pink Bucket
  - Nursing Involvement
  - Crib Cards Safe Sleep Messaging (on bassinets and cribs)

29

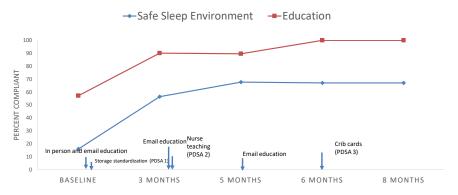
## Safe Sleep Resources and Technical Assistance: Samples of Materials Used at BBCH





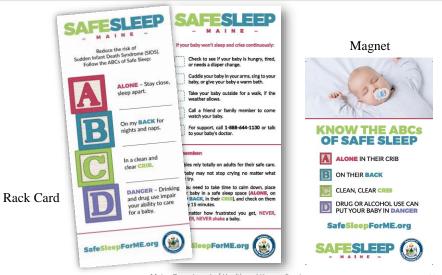
# Safe Sleep Resources and Technical Assistance: BBCH EASE Results

#### INPATIENT UNIT SAFE SLEEP COMPLIANCE



31

# Safe Sleep Resources and Technical Assistance: DHHS Safe Sleep Campaign Materials



Maine Department of Health and Human Services

# Safe Sleep Resources and Technical Assistance: Safe Sleep Fact Sheets

Soon: download/print on <u>www.safesleepforME.org</u>



#### **Audiences and Topics**

- Parents
- Dads
- Nurse
- Pharmacists
- Home Visitors
- Teach ABS to others
- FAQs
- Grandparents
- Babysitters



Maine Department of Health and Human Services

33

# Safe Sleep Resources and Technical Assistance: Idea for Hospitals

# From the Cribs for Kids Conference Mock Nursery



- Demonstrate safe sleep environment
- Provide different options
- Bilingual poster do's and don'ts
- Located in waiting room (target audience)
- Reach future patient through tours

Display our Certifications

### Safe Sleep Resources and Technical Assistance: Board Books and Cribbettes

#### Sleep Baby Safe and Snug





Books-Available at Maine Prevention Store

Currently 19/26 hospitals are distributing



Cribbettes-Limited number are available through Maine Families/ Maine Children's Trust for families without a safe sleep environment, require Safe Sleep Education and Documentation

35

#### Safe Sleep Resources and Technical Assistance: Educational Resources for Families



#### National Institute for Health Safe to Sleep® Campaign

View a list of all NICHD
publications related to SIDS and
Safe to Sleep® and E-Toolkit

For Print Copies of select materials go to:

www.MainePreventionStore.org

# Safe Sleep Resources and Technical Assistance: Safe Sleep Materials for Dads





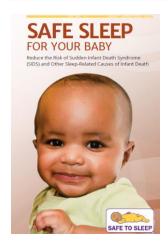
Cribs for Kids Video for Dads

National Institute for Health
For Print Copies of the Dads Rack Card
Go to:

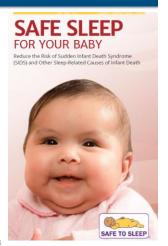
www.MainePreventionStore.org

37

# Safe Sleep Resources and Technical Assistance: Multi-cultural





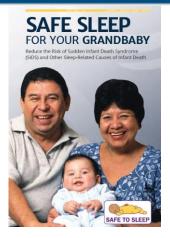


National Institute for Health Safe to Sleep® Campaign

View a list of all NICHD publications related to SIDS and Safe to Sleep®

### Safe Sleep Resources and Technical Assistance: Multi-generational





National Institute for Health Safe to Sleep® Campaign

39

## Safe Sleep Resources and Technical Assistance: Grandparent and Caregiver Focused



National Institute for Health Safe to Sleep® Campaign



 An English text alternative of the full-length video is available at <a href="https://www.nichd.nih.gov/sts/news/videos/grandparents/Pages/transcript\_English726.aspx">https://www.nichd.nih.gov/sts/news/videos/grandparents/Pages/transcript\_English726.aspx</a>

## Questions and Discussion

- Can you achieve the Bronze Level for <u>Cribs for Kids National Safe</u> <u>Sleep Hospital Certification Program</u> by Dec. 2019?
- What Safe Sleep Resources and Technical Assistance will you need?
- Will you be able to join the Northern New England Perinatal Quality Improvement Network (NNEPQIN) and the Perinatal Quality Collaborative for ME (PQC4ME) by Dec. 2019?
- Can you send a representative to the Improving Perinatal Care in Maine Conference led by the PQC4ME and March of Dimes on October 1<sup>st</sup> at the Auburn Hilton Garden Inn?

41

#### Thank You!



#### **DHHS Commissioner's Office**

- · Jeanne Lambrew, PhD, Commissioner
- · Sara Gagné-Holmes, Deputy Commissioner
- Amy Belisle, MD, MBA, Chief Child Health Officer, Amy.belisle@maine.gov

#### Maine CDC

- · Nirav Shah MD, JD, Director
- Maryann Harakall, MPPM, Maternal and Child Health Program Director, Maryann. Harakall@maine.gov, 207-557-2470
- Erika Lichter, ScD, Maternal and Child Health Epidemiologist, University of Southern Maine/Maine CDC
- Angie Bellefleur, Maternal and Child Health Manager, <u>Angie.bellefleur@maine.gov</u>

#### **Safe Sleep Champions**

- Kelley Bowden, MS, RN, Perinatal Outreach Nurse Coordinator for the Maine CDC. <u>bowdek@mmc.org</u>, 207-662-2696
- Jen Hayman, MD, Maine Physician Champion for Safe Sleep, Pediatric Hospitalist, The Barbara Bush Children's Hospital, HAYMAJ@mmc.org.