Nurture KC, KCMO Fetal Infant Mortality Review and Safe Sleep Guidance
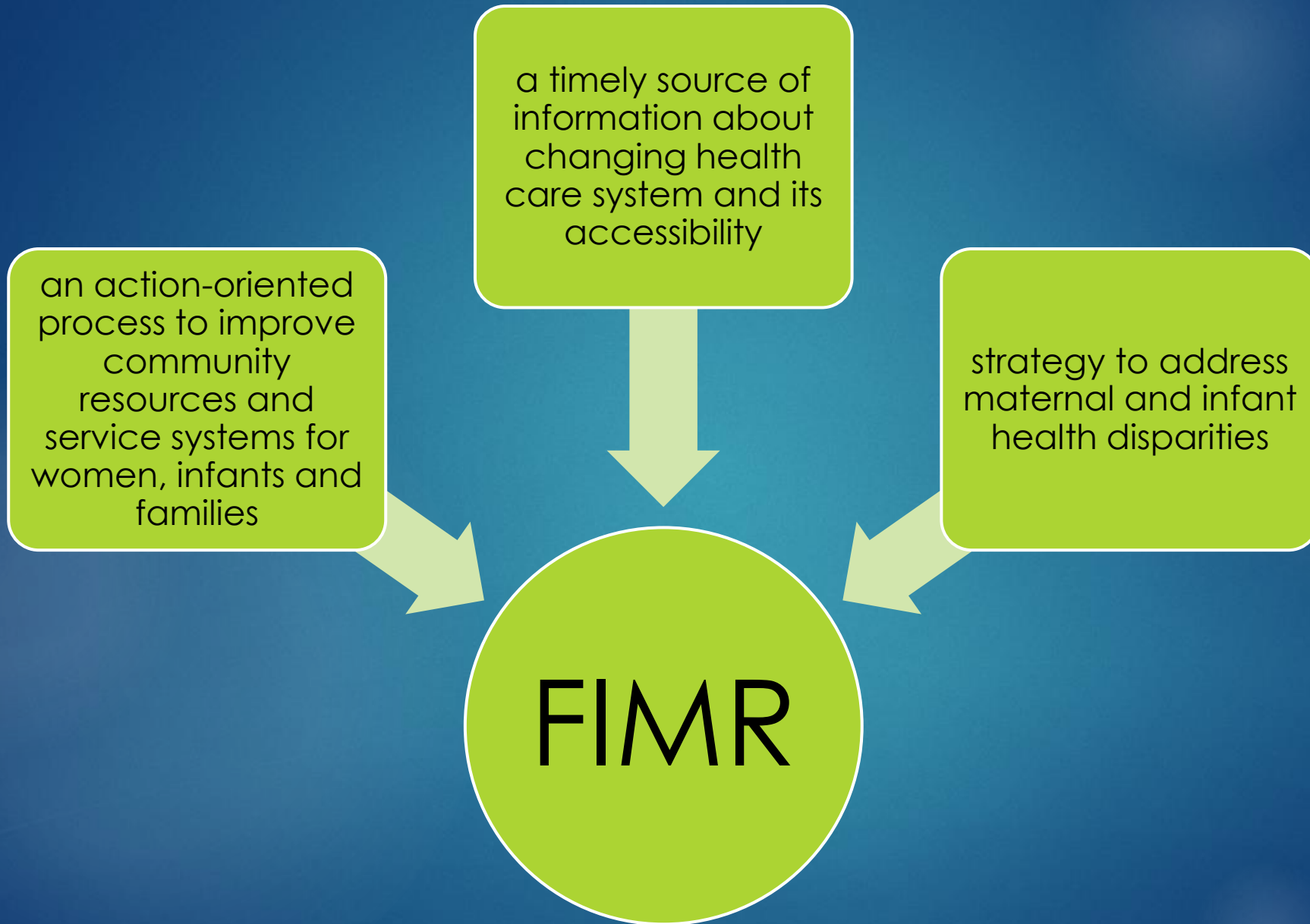
KATHERINE CAMPBELL, MSN, RN

FIMR COORDINATOR

Nurture KC

▶ Nurture KC is an organization dedicated to reducing infant and maternal mortality in Kansas City.

  ▶ Healthy Start

  ▶ KCMO FIMR Program

  ▶ Mid-America Immunization Coalition

  ▶ Promise 1000

How Does FIMR Help?

Gives local families a voice who have lost a baby

Cost saving process that maximizes local services and resources

Produces culturally appropriate, community specific actions

Improves communication among health and human service providers

What is Infant Mortality Rate?

Infant mortality rates are **calculated** as the number of **deaths** in the first year of life divided by the number of live births, multiplied by 1000.

How does it compare?

IMR measurements	
Healthy People 2030 IMR Goal	5.0/1000 live births
National IMR	5.6/1000 live births (2019)*
Missouri IMR	6.1/1000 live births (2019)*
Kansas City, MO Black IMR	11.4/1000 live births (2017-2021)**
Kansas City, MO White IMR	4.13/1000 live births (2017-2021)**
Kansas City, MO all	6.9/1000 live births (2017-2021)**

*March of Dimes Peristats
** Kansas City, MO Health Department

Purpose of FIMR—To decrease infant mortality by:

Conduct
- Conduct a multidisciplinary review of fetal and infant deaths

Understand
- Understand how a wide array of local, social, economic, public health, educational, environmental and safety issues relate to infant loss

Use
- Use findings to take action to prevent other infant deaths

Improve
- Improve systems of care and resources for women, infants, and families

FIMR process

Death occurs

Data collection

Case review

Community action

Improved maternal and infant health

FIMR: A Two-Tiered System

Case Review Team

Reviews and Analyzes the data collected in interviews and medical record abstractions	Focuses on identifying correctable system factors and deficiencies in systems and resources to prevent similar cases	Summarizes findings and creates recommendations for the Community Action Team to implement

Community Action Team

Takes recommendations from the CRT and develops an action plan	Enhance the health and well-being of women, infants, and families in the community	Works with the community to implement interventions to improve resources and services systems available

About KCMO FIMR

- Started in 2003

- Institutional Review Board (IRB) approved annually through Missouri Department of Health and Senior Services (MODHSS) and Bureau of Vital Statistics (BVS)

- Funded through the Federal Healthy Start Grant

- 10 ZIP codes in Jackson County which have the highest Infant Mortality Rates.

- Community Action Team housed at Nurture KC.

Success/accomplishments 2018-now continued

▶ KC Perinatal Bereavement Alliance

  ▶ Group for perinatal bereavement staff from metro hospitals to come together to network, share resources, offer assistance, or troubleshoot issues.

  ▶ Starting work on a debriefing toolkit for perinatal loss hospital staff.

▶ Stillborn Exam Checklist

▶ Prenatal Care Algorithm

Safe Sleep Certification Initiative

- Families and caregivers in Kansas City, Missouri practice safe sleep during nap time, bed time, every time.

- Top Cause of Death in Kansas City for infants
  - 2018-2020
  - Other top CODs
    - Prematurity
    - Birth Defects
  *Information provided by KCMO Health Department

Safe Sleep Certification Initiative

▶ Started about two years ago.

▶ Assisting metro hospitals obtain the Cribs for Kids Safe Sleep Certification

- ▶ Providence Medical Center achieved Bronze certification March 2022

- ▶ Liberty Hospital achieved Silver certification September 2022

- ▶ University Health – Hospital Hill and Lakewood achieved Bronze certification August 2023

- ▶ North Kansas City Hospital achieved Silver certification August 2023

- ▶ 2 more hospitals projected to achieve certification by the end of 2023

Cribs for Kids Safe Sleep Certification

Requirement	Bronze	Silver	Gold
Develop a safe sleep policy	X	X	X
Educate staff members	X	X	X
Educate parents/caregivers	X	X	X
Have searchable safe sleep education available on hospital website	X	X	X
Represent safe sleep in photos in hospital and on website	X	X	X
Use or distribute wearable blankets		X	X
Program evaluation (audit of safe sleep compliance among team members)		X	X
Provide community and media outreach			X
Affiliation with or become a Cribs for Kids partner			X

How we help

- Help provide timely feedback on policy
- Provide in-person safe sleep education
- Help gather education pieces for families and caregivers
- Have verbiage for hospital websites
- Look at photos to determine if they represent safe sleep
- Coordinate meetings with Cribs for Kids
- Answer questions regarding process quickly
- Assist with application submission
- Assist with annual reporting

Establishing and Modeling Safe Sleep Environments in Health Care Settings: Guidance to Support Reduction of SIDS/SUID in Missouri

- Why
- Inpatient
- Outpatient
  - OBGYN
  - Pediatric care
  - Nonmedical Community Support

https://www.mhanet.com/mhaimages/SQI/Maternal_Health/23_SafeSleepGuidance.pdf

Why?

Unsafe sleep circumstances account for 81% of nonmedical-related deaths

- Sudden Unexpected Infant Death (SUID)
  - Suffocation
  - Entrapment
  - Infection
  - Ingestion
  - Metabolic diseases
  - Cardiac arrhythmias
  - Trauma
  - SIDS
- Sudden Infant Death Syndrome (SIDS)
- Accidental Suffocation and Strangulation in Bed (ASSB)
  - Suffocation by soft bedding
  - Overlay
  - Wedging or entrapment

In Missouri, Black babies die 2.75 times more often than White children.

- Remove barriers
- Culturally congruent messaging and education

Inpatient Setting

Policy and procedures

- AAP recommendations for safe sleep
- Skin-to-skin directions
- Identify infants ready for Home Sleep Environment (HSE)
- Involve social work when needed to provide support for families

Staff education

- Safe Sleep training
- Racial bias training

Parent/caregiver education

- Provide standardized education
  - Show videos
  - Provide printouts
  - Discuss barriers/concerns

Education on website

Photos that present safe sleep

Outpatient setting

OBGYN/prenatal care

Pediatric care

Nonmedical Community Support

Safe Sleep resources

- Where to find a safe sleep surface

  - Cribs for Kids partners

    - https://cribsforkids.org/our-partners/

  - Missouri State Funded Safe Sleep Programs

    - https://mogov.maps.arcgis.com/apps/instant/basic/index.html?appid=06926aa1ed2641d2b1b8648b0e8c795e

- Missouri Safe Sleep video

Contact information

- Katherine Campbell, MSN, RN
  - kcampbell@nurturekc.org
  - 816-283-6242 ext 248

- https://nurturekc.org/