The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

A place for all your life

deaconess.com/twh

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

The Women's Hospital: Perinatal Center

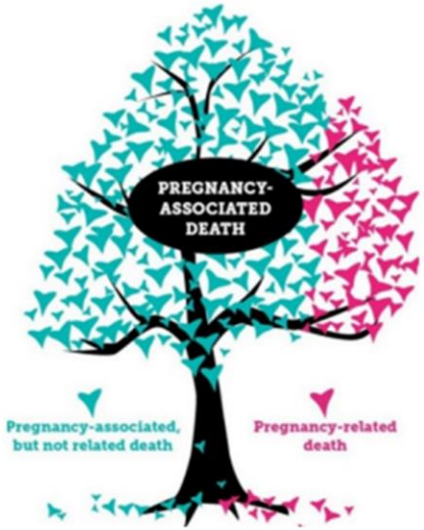
The Women's Hospital Perinatal Center is the fulfillment of years focused on improving maternal and neonatal outcomes on a local, regional, and state level. Our responsibilities include: training, supportive services, quality improvement, and developmental follow-up. Our affiliates include:

- Union Hospital
- Terre Haute Regional Hospital
- Sullivan County Community Hospital
- Greene County General Hospital
- Good Samaritan Hospital
- Memorial Hospital and Health Care Center
- Harrison County Hospital
- Baptist Health Floyd
- Deaconess Health System

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

4th Annual Indiana Maternal Mortality Report

- In 2021, there were **80 pregnancy-associated** deaths and **14 pregnancy-related** deaths.
- **71%** of pregnancy-associated deaths and **77%** of pregnancy-related deaths are deemed **preventable**.
- The **leading cause** of pregnancy-associated deaths is **overdose**, both accidental and undetermined intent, for the **4th straight year**.



Pregnancy-Associated Death- A death during or within one year of pregnancy irrespective of the cause.

Pregnancy-Associated, But Not Related, Death- A death during pregnancy or within one year of the end of pregnancy, from a cause that is not related to pregnancy.

Pregnancy-Related Death- A death during pregnancy or within one year of the end of a pregnancy from a pregnancy complication, a chain of events initiated by the pregnancy, or the aggravation of an unrelated condition by the physiologic effects of pregnancy.

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

Recommendations to Improve Indiana Maternal Mortality

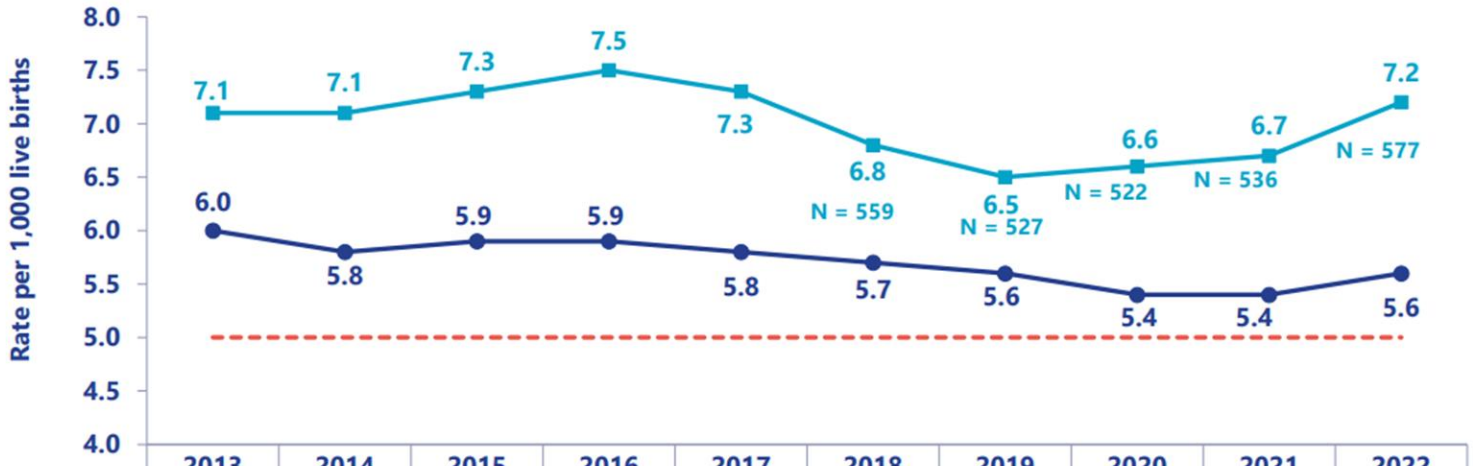
Focused recommendations are made to systems, facilities, providers, communities and patients/families:

- Funding for access to mental health providers.
- Increased support for evaluating and treating patients with substance use disorder.
- Access and funding for intimate partner violence or domestic violence.
- Referral to OB case management and home visitation programs.
- Train providers in trauma-informed care.
- Education on healthy birth spacing, long-term reversible birth control, seek early prenatal care.

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

Indiana Infant Mortality

Infant mortality rates (IMRs)
2013-2022

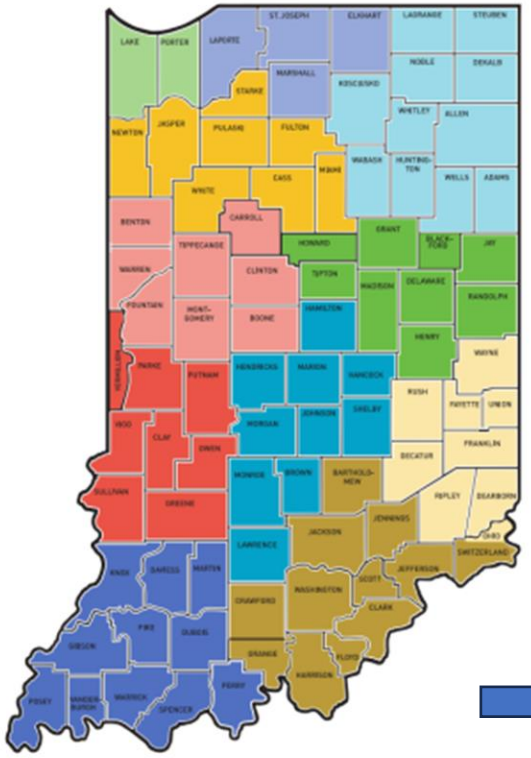


	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Indiana	7.1	7.1	7.3	7.5	7.3	6.8	6.5	6.6	6.7	7.2
U.S.	6.0	5.8	5.9	5.9	5.8	5.7	5.6	5.4	5.4	5.6
HP 2030 Goal	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

Infant mortality by Indiana hospital region

2018-2022

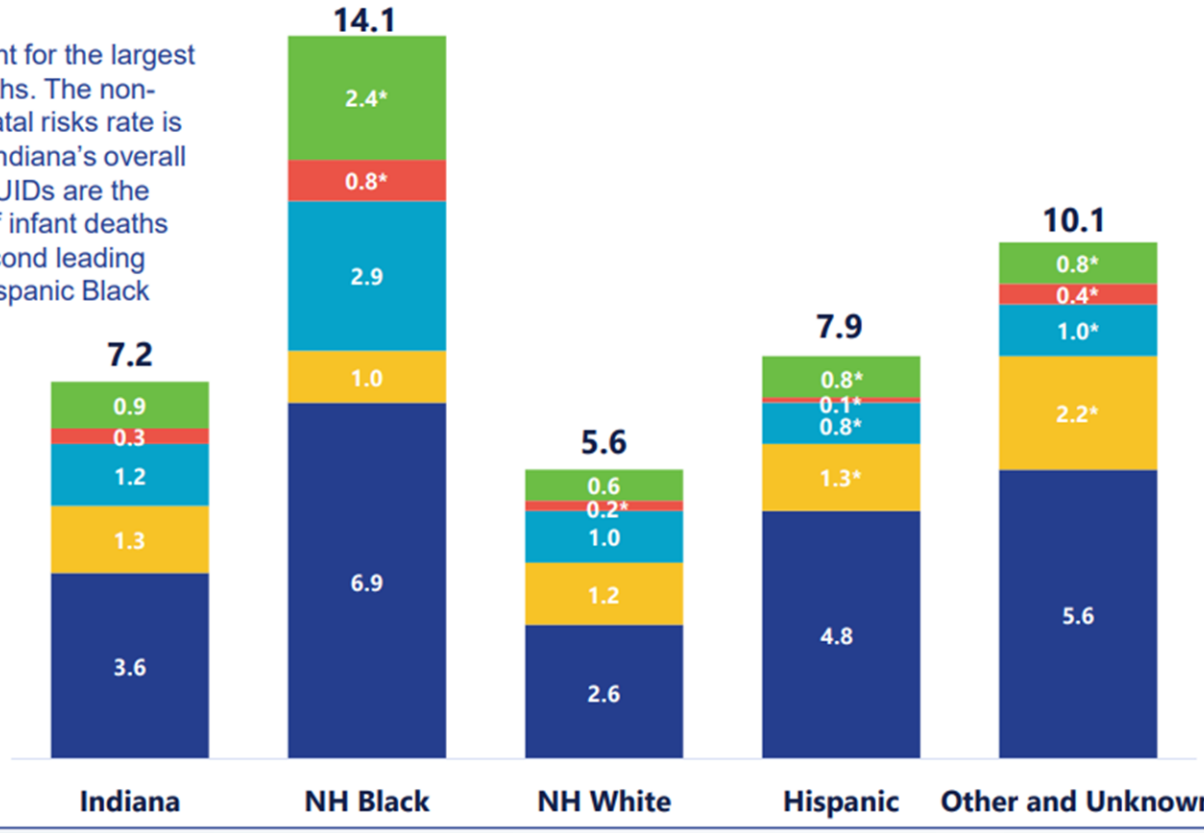


Region	Total	Non-Hispanic White	Non-Hispanic Black	Hispanic
Central	6.7	5.2 (N = 393)	11.1 (N = 298)	6.1 (N = 92)
Central Southwestern	6.9	6.4 (N = 87)	13.3* (N = 7)	** (N<5)
Eastern	7.6	6.9 (N = 159)	15.1 (N = 36)	6.1* (N = 8)
Midwestern	6.6	6.3 (N = 59)	** (N<5)	7.5* (N = 11)
Northeastern	6.8	5.9 (N = 245)	16.0 (N = 68)	8.1 (N = 35)
Northern	8.0	6.1 (N = 162)	18.1 (N = 97)	7.6 (N = 54)
Northwest	6.4	4.4 (N = 81)	11.3 (N = 94)	6.6 (N = 49)
Southeastern	5.7	6.1 (N = 73)	** (N<5)	** (N<5)
Southern	6.2	6.0 (N = 142)	15.4* (N =19)	8.0* (N = 19)
Southwest	6.2	5.3 (N = 122)	16.6 (N = 31)	5.5* (N = 8)
Western	6.8	5.7 (N = 96)	16.9 (N = 25)	10.0 (N = 23)

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

2022 cause-Specific IMR by race/ethnicity

Perinatal risks account for the largest number of infant deaths. The non-Hispanic Black perinatal risks rate is almost the same as Indiana's overall IMR for all causes. SUIDs are the third leading cause of infant deaths in Indiana but the second leading cause among non-Hispanic Black infants.



Infant Mortality Rates (IMRs) are per 1,000 live births.

Cause-specific IMRs may not add up to the overall IMR for each group due to rounding.

* Rates based on counts fewer than 20 are considered unstable and should be interpreted with caution.

NH = Non-Hispanic

2018 – 2022

Stable non-Hispanic Black infant mortality rates

LaPorte, 23.0

Elkhart, 22.1

Vanderburgh, 17.4

Tippecanoe, 17.0

Allen, 15.9

St. Joseph, 15.5

Lake, 11.5

Marion, 11.4

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

2022 birth outcomes by race and ethnicity

Measure	Indiana	Non-Hispanic Black	Non-Hispanic White	Hispanic
Preterm (< 37 weeks gestation)	10.9%	15.0% ↑	10.3% ↓	10.7%
Low birthweight (< 2500 g)	8.7% ↑	15.1% ↑	7.6% ↑	8.1% ↓
Very low birthweight (< 1500 g)	1.4% ↑	3.0% ↑	1.1%	1.3% ↓
No early prenatal care (first trimester)	29.1% ↑	42.9% ↑	23.4% ↓	44.4% ↑
Teen pregnancy	4.7% ↓	6.8% ↓	3.8% ↓	7.9% ↓
Breastfeeding (at discharge)	83.9% ↑	77.5% ↑	84.6% ↑	86.0% ↑

Vanderburgh County

- Evansville Promise Zone has the worst outcomes in Vanderburgh County. For example, 47713 zip code, Black infant mortality is alarmingly high at 17.4 per 1000 live births.
- This area has a diverse population, with 4.7% foreign-born, 26.9% Black, and 4.4% Hispanic. However, poverty affects 30% of the population, and 1,412 families are headed by single mothers, with 6% of the population being children under five.
- 40% of women only have a high school diploma, and healthcare accessibility is a concern, with 4.8% of children uninsured.
- Lack of transportation is routinely identified as a limiting factor in healthcare access.

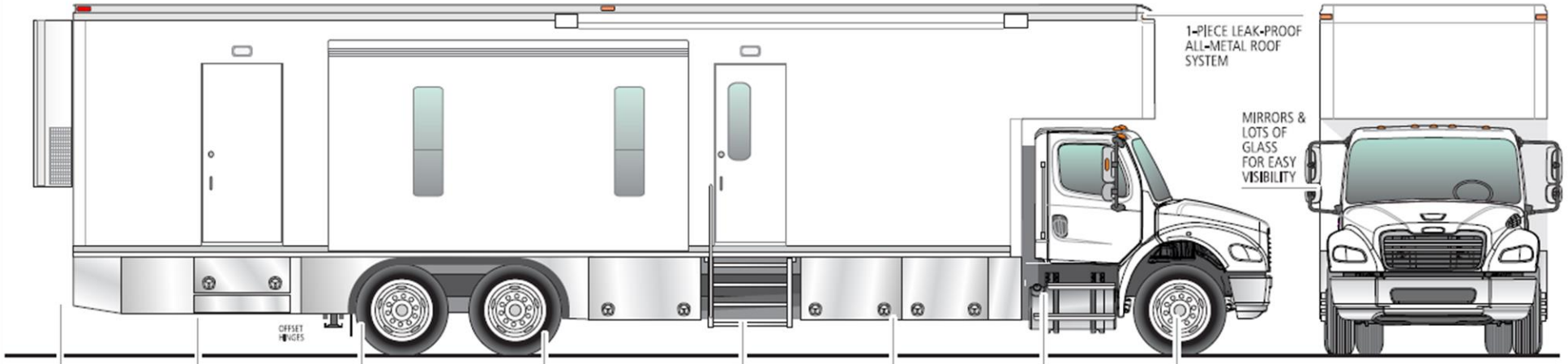
Ronald McDonald Care Mobile

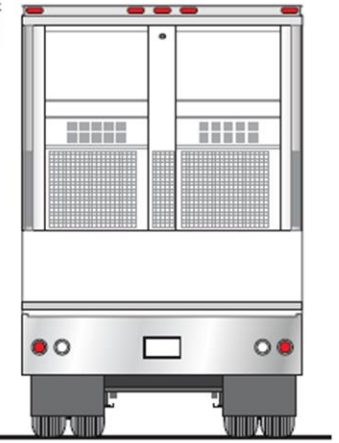
RMHC®
of the Ohio Valley

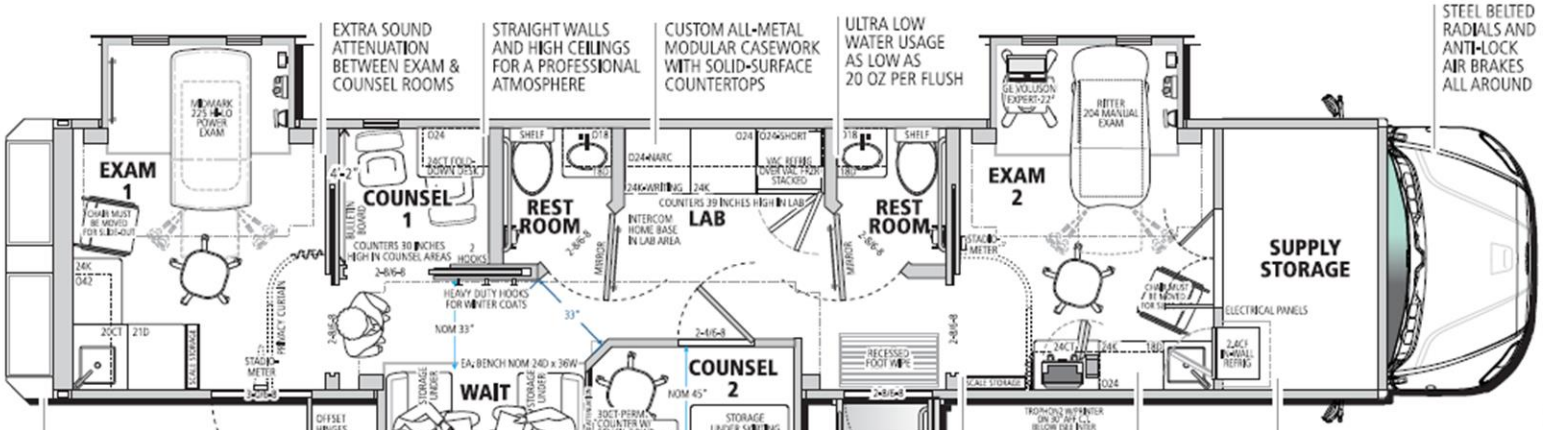
Keeping families close™

The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

RMHC
Keeping families close
RONALD MCDONALD
CARE MOBILE
Children's
Keeping families close with the care they need to thrive
Ronald McDonald House Charities
Keeping families close
RONALD MCDONALD
CARE MOBILE
Keeping families close with the care they need to thrive
Children's
RONALD MCDONALD
CARE MOBILE
Children's







A 45 FT MOBILE UNIT DESIGN FOR THE
RONALD McDONALD CARE MOBILE® COMMUNITY HEALTH PROGRAM

VERSION 5 1/31/24

0 METERS 1M 2M 3M 4M 5M

0 FEET 5′ 10′ 15′

The entire contents, including these scale drawings, are proprietary and copyrighted. All rights are reserved by LifeLine Mobile, Inc. Unauthorized duplication of LifeLine scale drawings is a violation of law. LifeLine Mobile is a registered trademark. The term "Professional Space In Motion" is a service mark of LifeLine Mobile.

The associated Features and Individual Item Pricing listings shall detail the specific items included in any price estimate. For more accurate space planning, some items shown on the drawing may not be included in the price estimate. Consult the scale bar above for room dimensions, which are approximate and may vary somewhat due to construction variables and third party equipment dimensions.

Care Mobile Goals

- Reduce perinatal risk factors among prenatal women and women of child-bearing age in Vanderburgh County.
- Improve the health and development of infants age 0-1 in Vanderburgh County.
- Increase education and access to safe sleep resources for infants in Vanderburgh County.

Clinical Service Provider

The Women's Hospital will oversee the clinical services offered on the Ronald McDonald Care Mobile. Additional clinical partners and community organizations who have expressed interest to help achieve this mission include:

- Ascension St. Vincent Evansville
- ECHO Health Care
- Indiana Department of Health
- University of Southern Indiana
- Vanderburgh County Health Department

dh
The Women's Hospital
THE PERINATAL CENTER OF SOUTHERN INDIANA
Deaconess

By collaborating with other valuable perinatal and pediatric community stakeholders, we believe that we can provide a consistent and united presence and services to the childbearing women and infant population.

Clinical Services

The Care Mobile intends to deliver services to child-bearing women and their infants up to 1 year of age. Activities will address the following:

- **Well-Woman**
  - Screening and Assessment of Blood Pressure, Blood Glucose, Social Determinants of Health, STDs, Immunizations, Intimate Partner Violence, Mental Health, Weight Management, Birth Control Navigation
- **Pregnancy**
  - Urine Pregnancy Confirmation, Ultrasound, Preeclampsia & Gestational Diabetes Screening, Focused Trimester Education and Assessments
- **Postpartum**
  - Postpartum Depression, Birth Spacing Education, Mental Health Screening
- **Infant**
  - Developmental Screenings, Weight Checks, Immunizations, Care Giver Mental Health Screening, Home Safety Assessments
- **Education**
  - Clinical Activities, Healthy Lifestyle, Safety
- **Resource Navigation and Referral**

By collaborating with other valuable perinatal and pediatric community stakeholders, we believe that we can provide a consistent and united presence and services to the childbearing women and infant population.

Staffing Plan

Ronald McDonald House Charities

- RMHC Program Manager

Deaconess Women's Hospital

- Care Mobile Clinical Program Coordinator
- Care Mobile Client Advocate
- Care Mobile Operations Specialist

Local Universities

- Nursing, PT/OT, Radiology, Social Work, Nurse Practitioner Students

Additional Clinical Partners & Support

- Vanderburgh County Health Department, Ascension St. Vincent Evansville, ECHO Clinic

Care Mobile Timeline

2020-2023

1. Ronald McDonald Care Mobile Program Development Approval Process
- Develop & Approval of Business Plan *December 2020-August 2023*
- Completion of Logic Model *February 2023*
- Grant and Licensure Agreement Secured *December 2023*

2. Secure Clinical Partners
- Hospitals, Local University, Health Department

3. Establish Funding Sources

2023-2024

1. Formation of Advisory Board
- Formed *October 2023*
- Pillars Established *December 2023*

2. Production of Care Mobile
- Vehicle Plans Finalized *February 2024*

3. Funding Sources
- Promise Zone Neighborhood Grant *October 2023*
- Safety PIN Grant Submitted *March 2024*
- IDOH Sub-Recipient Awarded *October 2024-2025*

2024-2025

1. Operationalize Care Mobile
- Develop Care Pathways and Clinical Documentation *Summer 2024*
- Policy & Procedure Development *Fall 2024*
- Hire Dedicated Care Mobile Staff *Fall 2024*

2. Establish Clinical Sites & Initiate Basic Education Services
- Cultural Awareness & Inclusion *Fall 2024*
- Marketing *Fall 2024*

3. Vehicle Delivery & Care Initiation
- Estimated Delivery *December 2024*
- Care Initiation Tentative *March 2025*

Make a Difference

- **Awareness**: Review your outcomes.
- **Listen**: Engage in or start a community advisory.
- **Unity**: Establish clinical partnerships.
- **Learn**: Begin cultural awareness.
- **Trust**: Reach out to your community.

Additional Resources

- CDC HEAR HER Campaign
- AWHONN Post Birth Warning Signs
- Harvard IAT
- Midwest Trauma-Informed Training Center
- Indiana Department of Health