

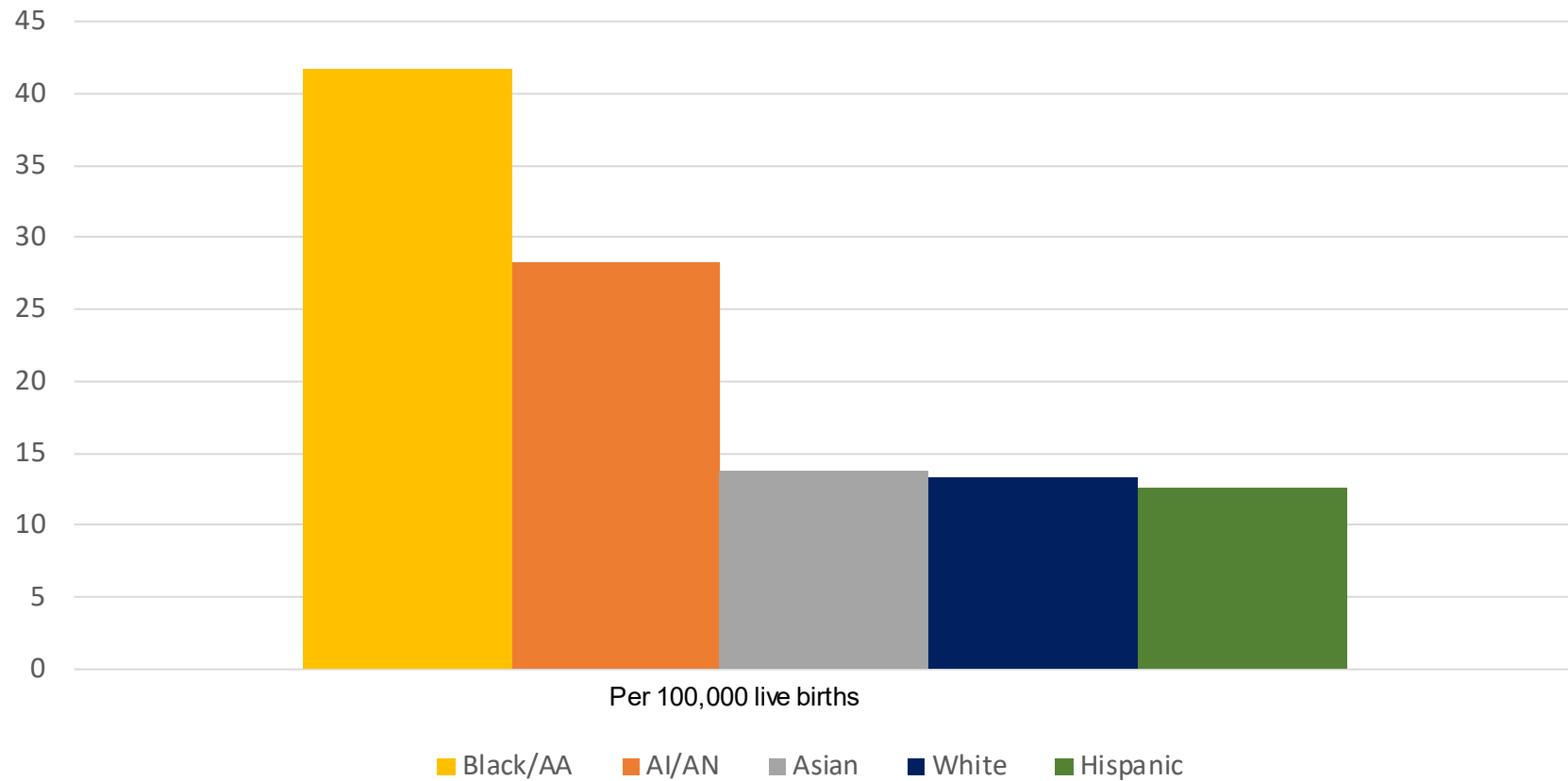
# Advancing Integrated Models (AIM) of Care to Improve Maternal Health Outcomes among Racial/Ethnic Minority Women



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# State of the Problem

Pregnancy-Related Deaths by Race/Ethnicity  
2014-2017, CDC



# Severe Maternal Morbidity

White	Reference
Black	1.82 (1.64-2.01)
American Indian	1.52 (1.32-1.73)
Asian/Pacific Islander	1.30 (1.19-1.41)
Hispanic	1.17 (1.07-1.27)

Odds Ratio of Severe Maternal Morbidity

# Contributing Factors

- **Social Risks**

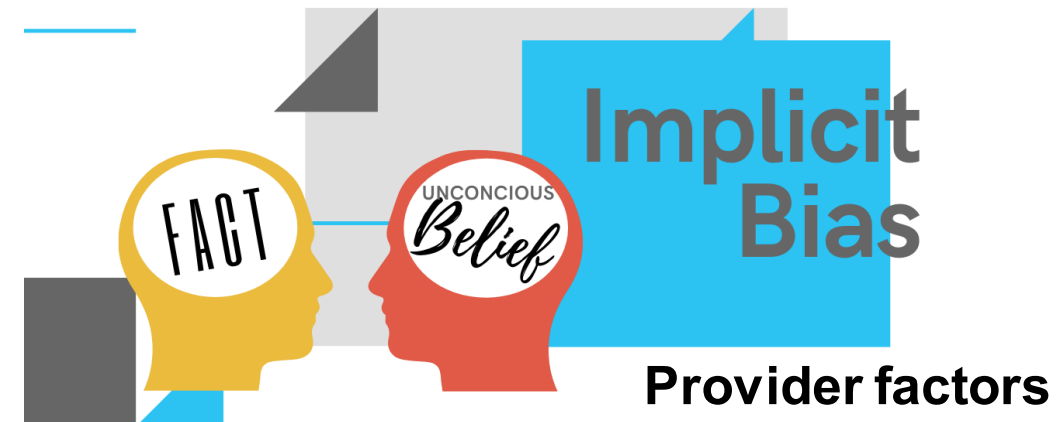
- Nutrition
- Transportation
- Housing

- **Patient factors**

- Awareness & knowledge
- Pre-existing conditions
- Age



**Obstetrics inexperience**



# What We Know

## **Traditional models of maternal care have been less effective**

### Evidence suggests

- Labor support provided by nurse midwives, doulas, group-based care reduces preterm birth, cesarean delivery, and emergency department visits
- Navigation improves healthcare access, coordination & continuity
- Models of care that address social risks are central

# What We Need to Know

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Larger scale evidence on the effectiveness of supportive care

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How integration of care that addresses social risks in addition to direct pregnancy care impacts morbidity & mortality

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Optimization of pregnancy outcomes for American Indian/Alaskan Native women

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**This concept seeks to fill these scientific knowledge gaps**

# PURPOSE

Characterize, develop, implement & evaluate integrated models of care to improve maternal health outcomes among racial/ethnic minority women



# A Path Forward

Integrated care that recognizes women's lived experiences

Expand focus to supportive care models

- Nurse midwives/midwives
- Doulas
- Patient navigation
- Social services
- Community health workers





## Key Scientific Objectives: **Formative**

### Formative

- Conduct qualitative, quantitative, or mixed-methods research to inform development of integrated models of maternal care
- Conduct pilot or feasibility studies of integrated models of care to impact healthcare access, healthcare quality, and social care to improve maternal health outcomes among racial/ethnic minority women

### Measure of Success

- Gain a better understanding of opportunities to improve maternal health outcomes among racial/ethnic minority women

# Key Scientific Objectives: Intervention

Implementation & evaluation of integrated models of maternal care to address healthcare access, healthcare quality, and social risks to improve maternal health outcomes among racial/ethnic minority women

## Measures of Success

- a. Reduction in severe maternal morbidity
- b. Reduction in All Cause maternal mortality, if sufficiently powered





# A.I.M. to Improve Maternal Health Outcomes