

# Data that Informs Community Action: Review & Update

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## Kalamazoo Infant Mortality Community Action Initiative

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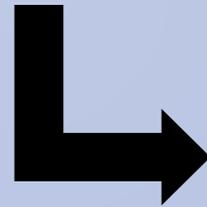
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# Action that is....

- Data-driven
- Informed by community members and experiences



RECAP

# Data

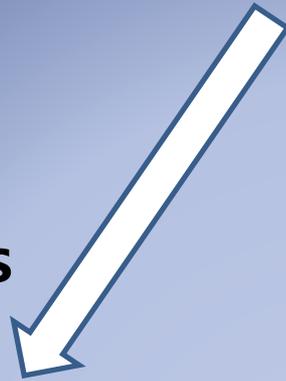
- National & State Infant Mortality & Health Disparity Initiatives
- Evidence based programming
- National, State & Local Infant Mortality Rates & Trends

## Local

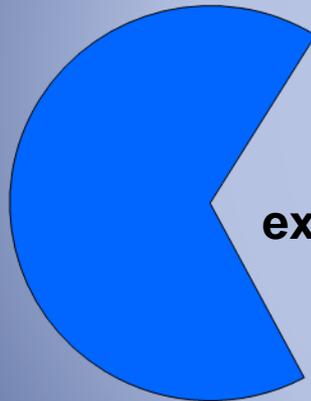
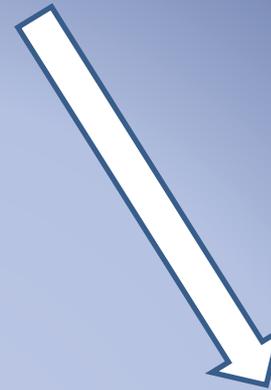
- Infant mortality in Kalamazoo
  - Rates, trends, causes of death, risk clusters, geographic distribution
- Contributors, multivariate study using birth records data
  - Interaction of poverty and race, at the individual & neighborhood level
  - Differential contributors by race
- Home visitation programming
  - Who receiving (demographic, geographic)
  - To what effect
- Perinatal Periods of Risk Analysis
  - Excess mortality among Black infants, among poor infants
- Kitagawa Analysis
  - Infant risk, by race and by poverty
- Stakeholder interviews, focus groups, community meetings

# Proportion of our Deaths

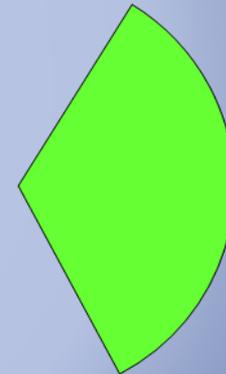
Largest  
Racial  
Disparities



Largest  
Poverty  
Disparities



$\frac{2}{3}$  of  
excess deaths



$\frac{1}{3}$  of  
excess deaths

**Maternal  
Health**

**Infant  
Health**

# Known, Leading Contributors

**Maternal  
Health**



**Unintended pregnancy**

**Previous poor birth  
outcome**

**Infant  
Health**



**Sleep-Related**

**Unsafe & unstable environments**

**-Substance Abuse**

**-violence**

**-Homelessness**

**-Mental illness**

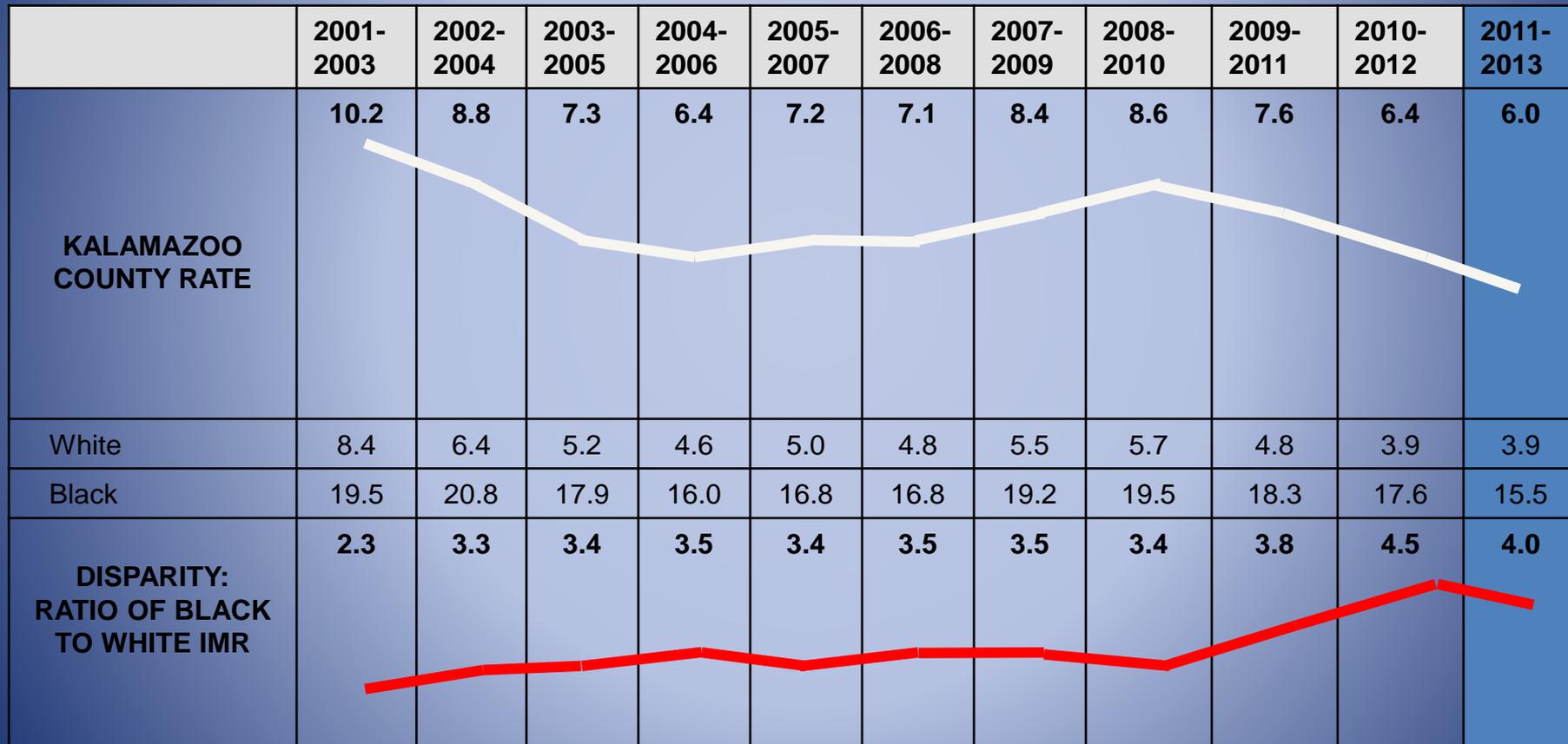
UPDATE

# Update

- Infant Mortality Rates, Trend
- Service breakdown: Gap analysis (MIECHV, Kothari)

# Kalamazoo County Infant Mortality Rates

Infant Mortality Rates per 1,000 Live Births, Three-year moving Averages



Source: Michigan Department of Community Health, Division for Vital Records and Health Data Development. *Michigan Infant Death Statistics*. March, 2014.

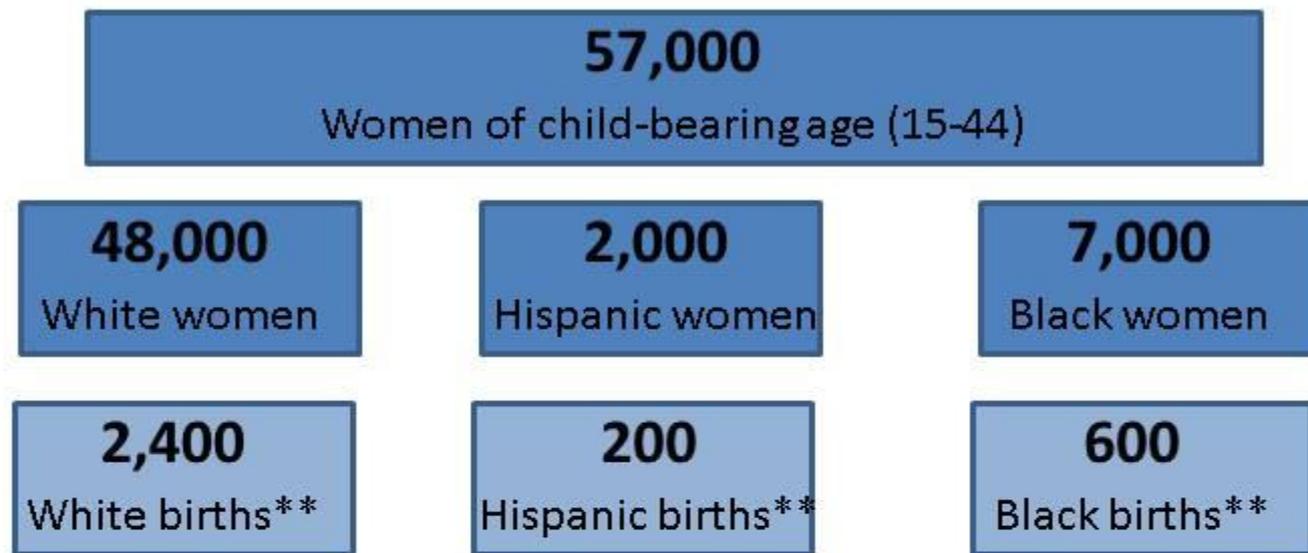
POPULATION

# TARGET POPULATION FLOWCHART, KALAMAZOO COUNTY\*



# TARGET POPULATION FLOWCHART, KALAMAZOO COUNTY\*

POPULATION  
BIRTHS



\*Estimates

\*\*Annually

# TARGET POPULATION FLOWCHART, KALAMAZOO COUNTY\*

**57,000**  
Women of child-bearing age (15-44)

**48,000**  
White women

**2,000**  
Hispanic women

**7,000**  
Black women

**2,400**  
White births\*\*

**200**  
Hispanic births\*\*

**600**  
Black births\*\*

**900**  
Medicaid

**150**  
Medicaid

**500**  
Medicaid

POPULATION

BIRTHS

RISK FACTORS

\*Estimates

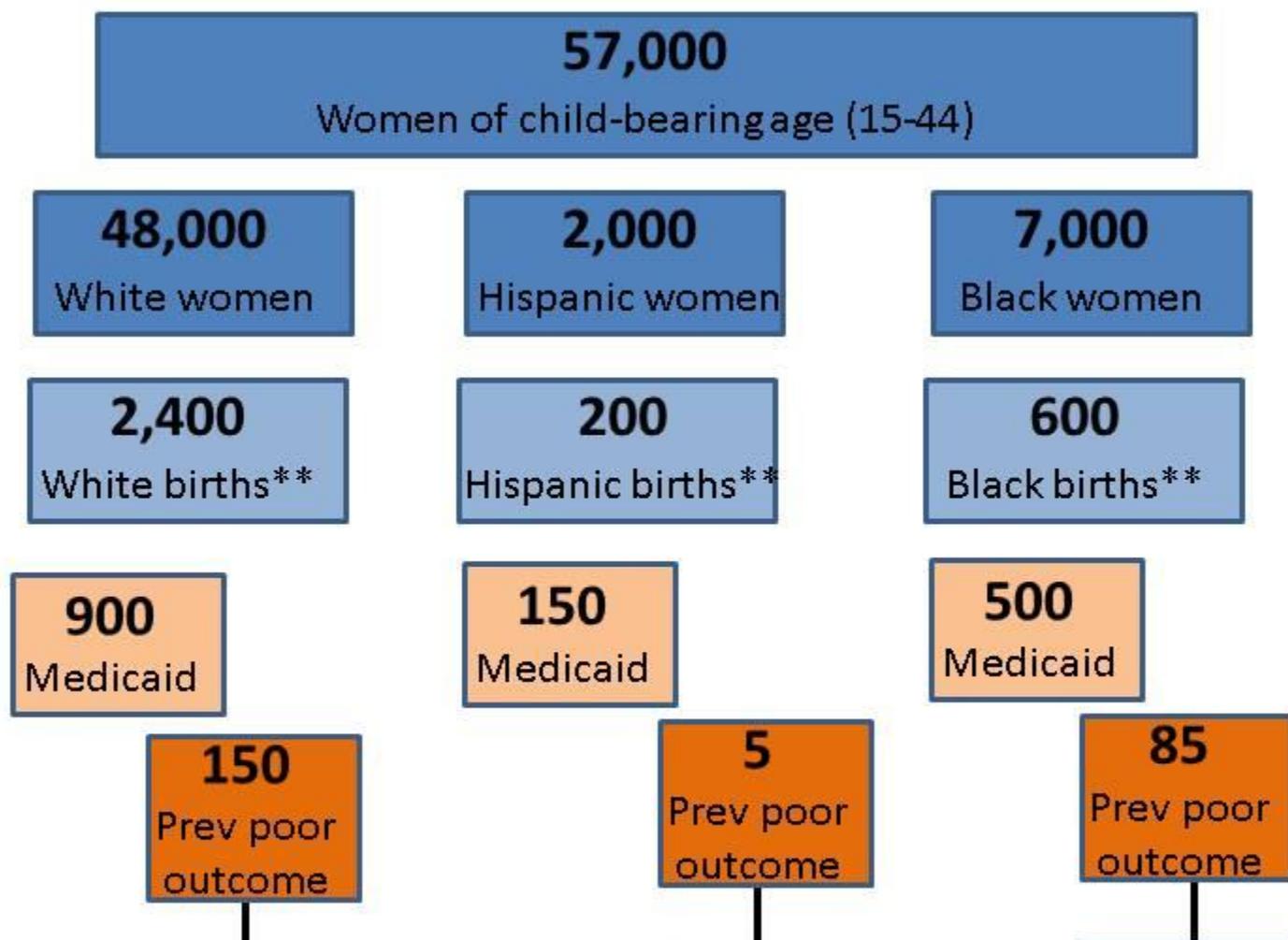
\*\*Annually

# TARGET POPULATION FLOWCHART, KALAMAZOO COUNTY\*

POPULATION

BIRTHS

RISK FACTORS



\*Estimates

\*\*Annually

\*\*\*Based upon 2009 figures, a low point in perinatal HV capacity in Kalamazoo

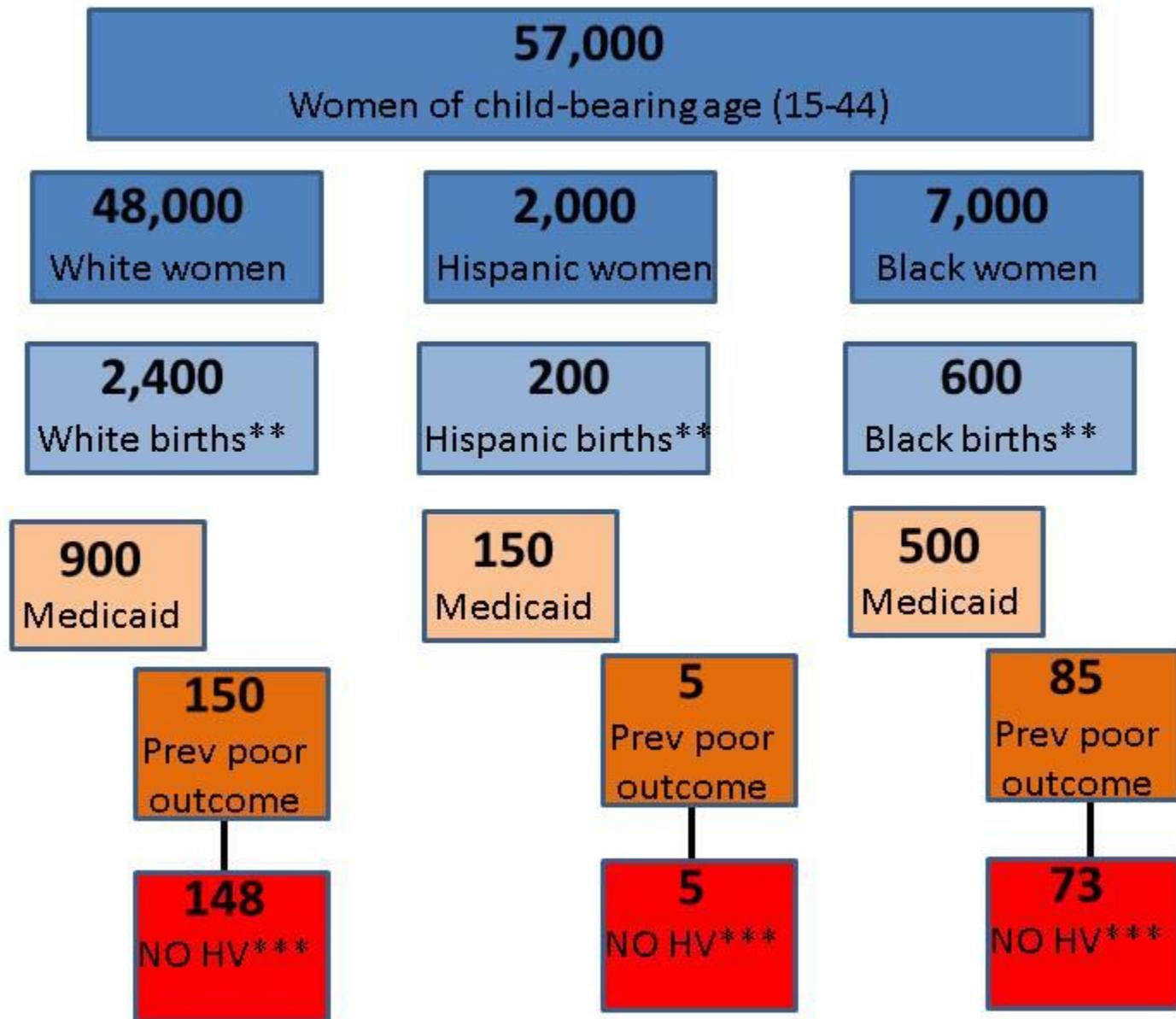
# TARGET POPULATION FLOWCHART, KALAMAZOO COUNTY\*

POPULATION

BIRTHS

RISK FACTORS

GAP



\*Estimates

\*\*Annually

\*\*\*Based upon 2009 figures, a low point in perinatal HV capacity in Kalamazoo

# Additional Data

- **FIMR Review** (Kothari, Damashek, Kuchipudi, Romph)
  - Funded by Healthy Babies Healthy Start
  - Reviewed the final three years of FIMR summaries (N=31)
- **Focus Groups** (Geist, Frank-Brenton, Kalamazoo College students)
  - Funded by Kalamazoo College & YWCA
  - Conducted 9 focus groups with...
    - Providers (22)
    - Women from at-risk community (25)
- **Partner Agency Survey** (Corbit, Kothari)

# FIMR Review\* – Preliminary

## Women

- Chaotic lives
  - Family / Interpersonal chaos and violence
  - Housing, transportation, childcare....constant struggle
- Ripple effect (depression, substance abuse/use, poor health)
- “Faking Good”

## Systems serving them

- Giving instructions is not enough
- Emergency department healthcare fits my life better
- A lot of misses between providers and women

## Recommendations....

- Need to reach more than the woman herself
- With more than single point education
- Some women/families need “supersize” outreach & service
- Loop in emergency departments

# Focus Groups- Selected Quotes

## What Providers say...

- “Healthcare is not a priority when they are worrying about putting food on the table”
- “It sucks being poor...you get asked different questions that people with money don’t get asked and then you’re supposed to tell them all this stuff and once you tell them maybe CPS gets involved....so it all gets turned around in a negative way.”
- “Kalamazoo is rich in resources, but there is a disconnect...”
- “...the stress of racism over a lifetime, no matter how well you are doing in your pregnancy – can still affect you.”

# Focus Groups- Selected Quotes

## What Women say...

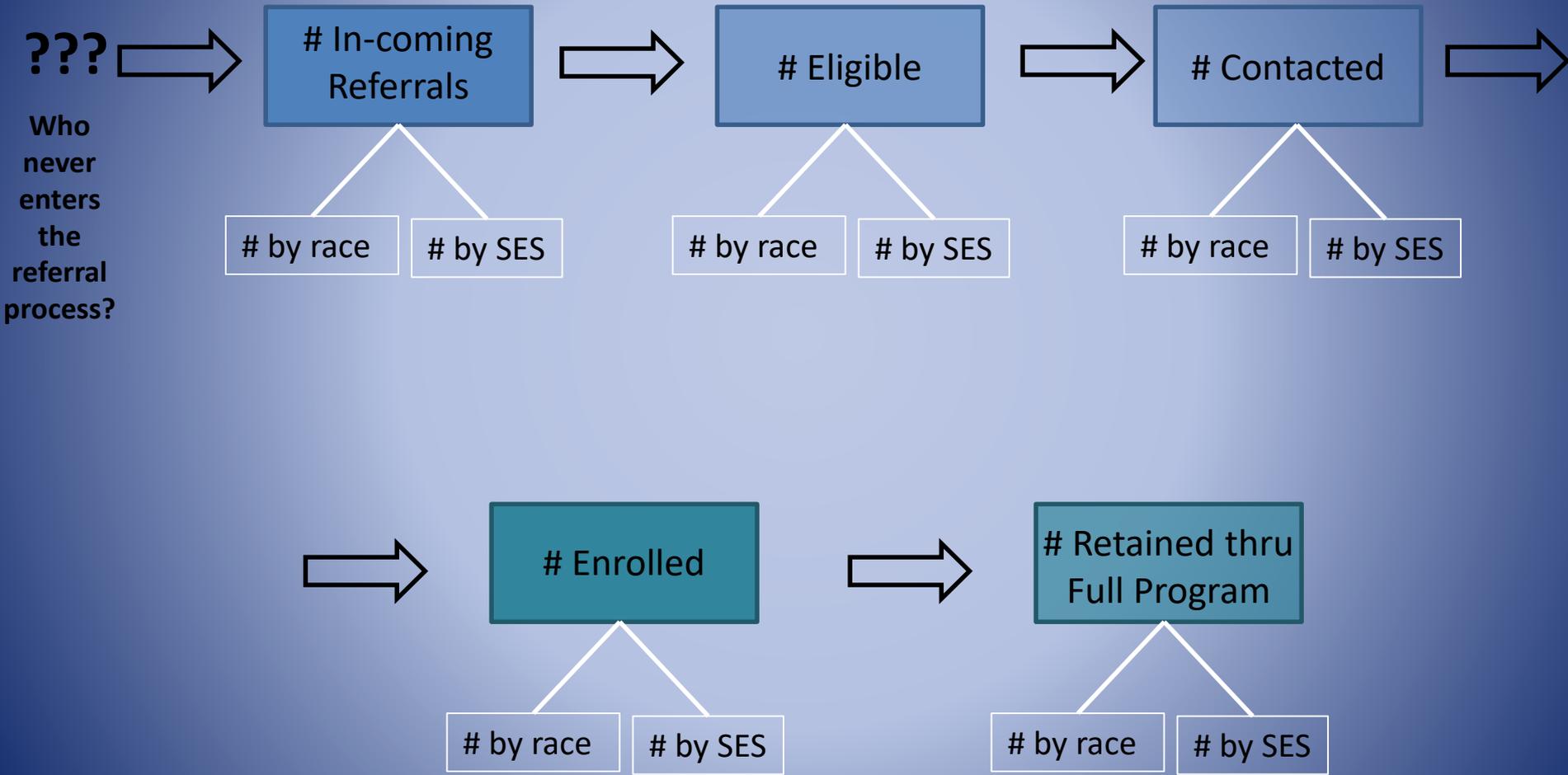
- “We shut down as black women. We have an attitude that is not even an attitude; it’s called, um, we have this shell. No matter what is going on, I don’t care. We won’t cry easily; you cannot make us cry, you cannot break us down.... When we get alone we’ll cry, but we don’t want the world to think anything is wrong.”
- “You scared to really find out what the doctor really has to say....You know, when I go to take tests for diabetes, whatever, I’m scared to go take tests cuz I’m scared of what the doctor gonna tell me.”
- “I had a miscarriage. And I didn’t know I was pregnant....the person who I was pregnant by was stressing me out, just stressing me out. And, um, we had gotten into a fight on the side of the highway and something happened and I ended up at the emergency room and found out that I was miscarrying.”
- “...I know that I was under a lot of stress....it was compound stress; it wasn’t just that one thing – that violence.... “

# Partner Survey

- **Response:**
  - **100 Participants invited**
  - **14 completed survey**
- **Questions:**
  - **Population served & services**
  - **Program participant demographics (age, race, Medicaid status)**
  - **Service flow**

# Where are the system breakdowns? Who are we losing where?

## Program-level reporting



# Partner Survey

- **Response:**
  - 100 Participants invited
  - 14 completed survey
- **Questions:**
  - Population served & services
  - Program participant demographics (age, race, Medicaid status)
  - Service flow
  
- **Answers (14)**
  - Less than half provided numbers

# MOVING FORWARD

- Support agency reporting mechanisms
- Develop library of evidence based strategies and programs
- **Healthy Babies-Healthy Start Community Report on Maternal Health, Birth Outcomes & Infant Mortality**



# Fetal Infant Mortality Review



## 1. CASE REVIEW TEAM:

..... the front line

### Goals:

- a) Review individual cases,
- b) Identify system gaps,
- c) Draft recommendations

Led by:



Members:

Hospitals, EMS  
OB & Pediatric primary care  
Behavioral health  
Public Health, Home visitors  
Criminal justice, Courts  
Child welfare, Domestic violence  
Faith community  
Community members

### Member Responsibilities:

Provide case-related information  
Attend Case Review meetings  
Maintain confidentiality  
Draft actionable  
recommendations

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- Maintain confidentiality
- Draft actionable recommendations **CRT**



## 2. COMMUNITY ACTION TEAM:

.....leadership

**Goals:**

- a) Synthesize data,
- b) Prioritize issues,
- c) Take action

Kalamazoo Infant  
Mortality Action  
Initiative

Led by:



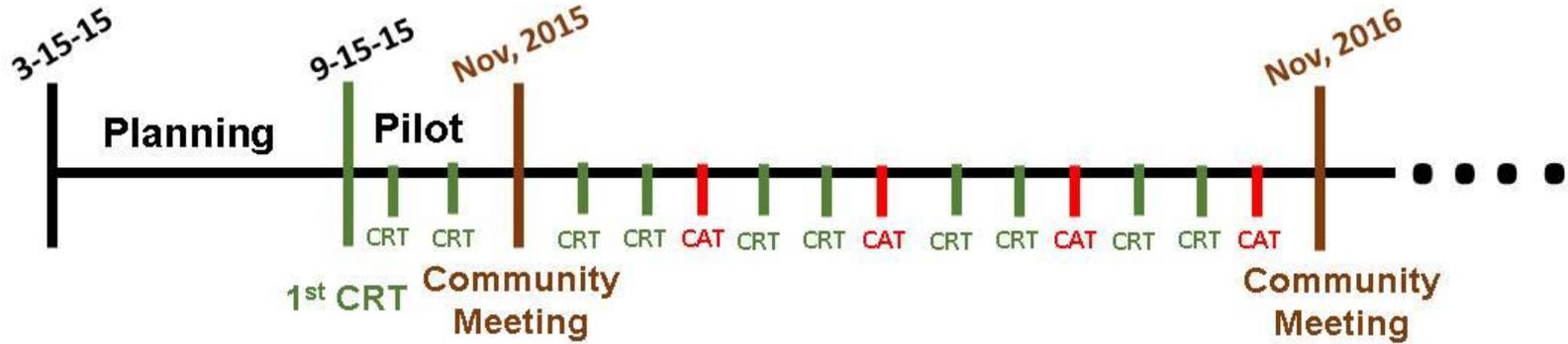
Members:

- Institutional administrators
- Community leaders
- Government
- Funders

Member Responsibilities:

- Leverage institutional resources
- Focus on community realities
- Commit to collective impact
- Data driven, Evidence based action

# TIMELINE



CRT=Case Review Team

CAT=Community Action Team