



A Best Practice Model: Fetal Infant Mortality Review

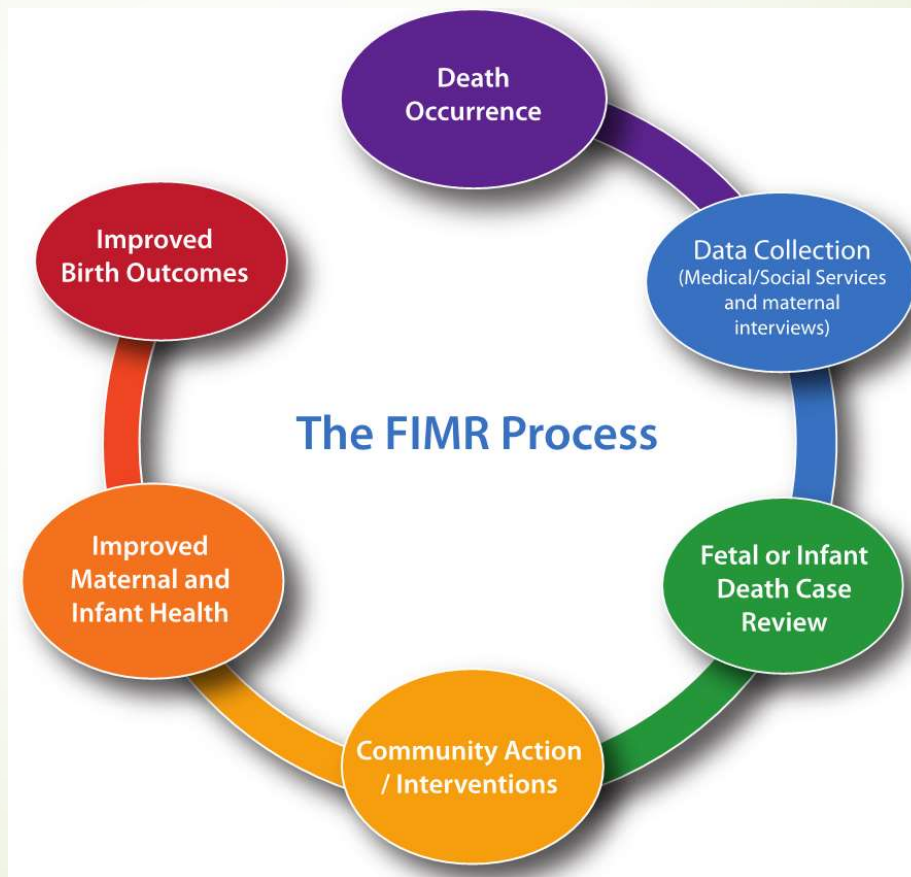
Karen Michalski

Fetal Infant Mortality

City of Milwaukee Health Department

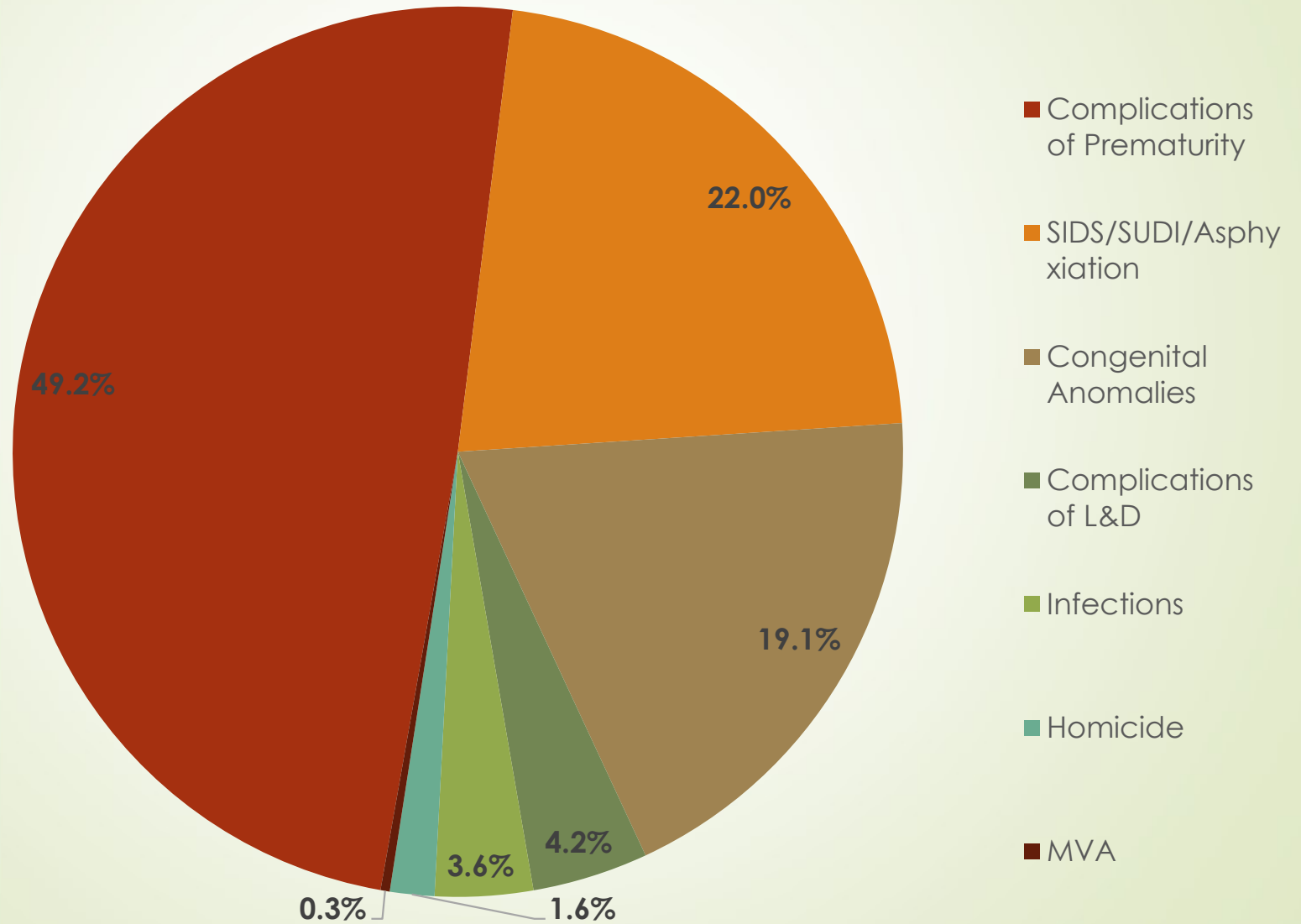


Improving Birth Outcomes through Research and Evaluation



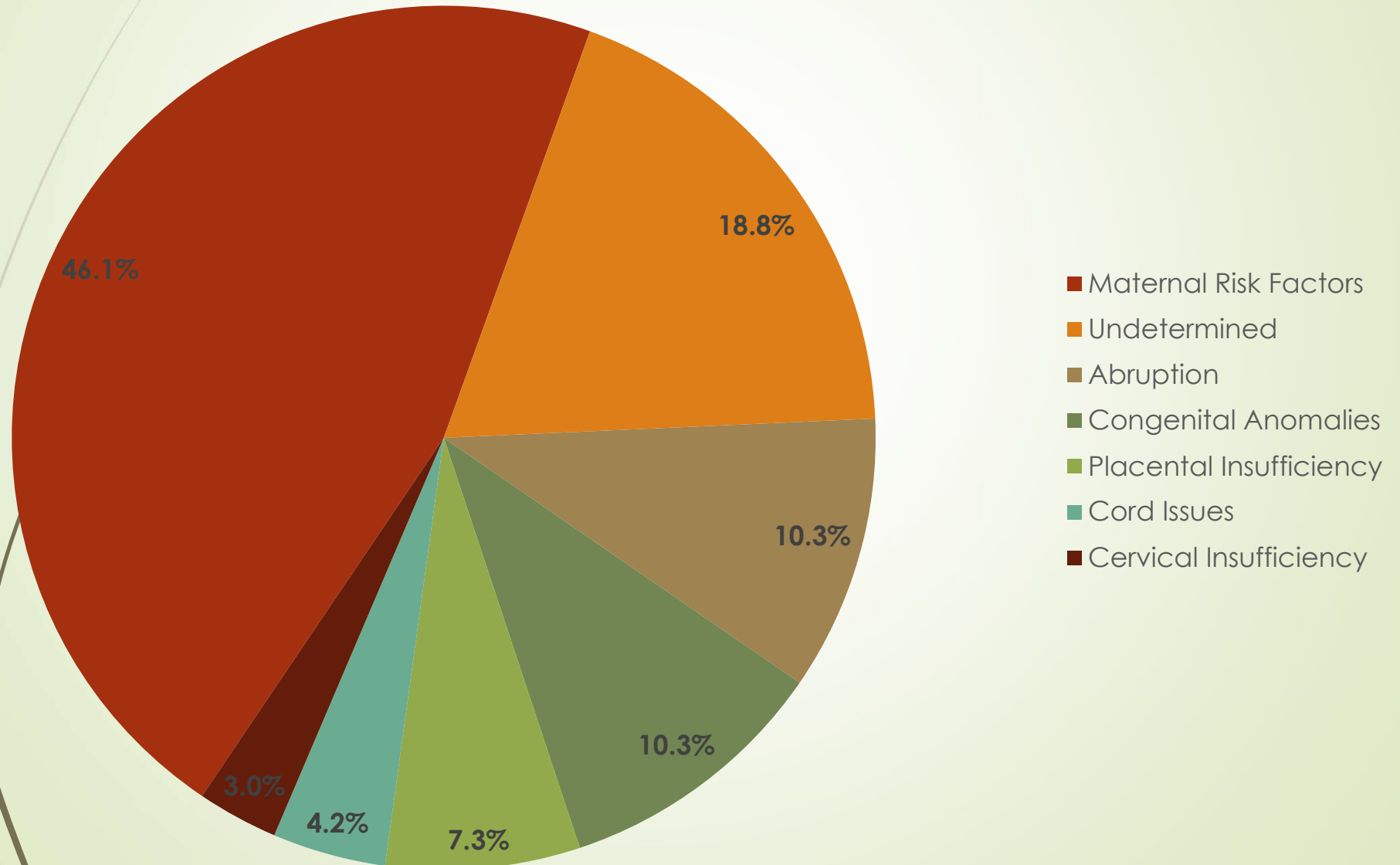
2016-2018 Cause of Infant Death

City of Milwaukee N=309



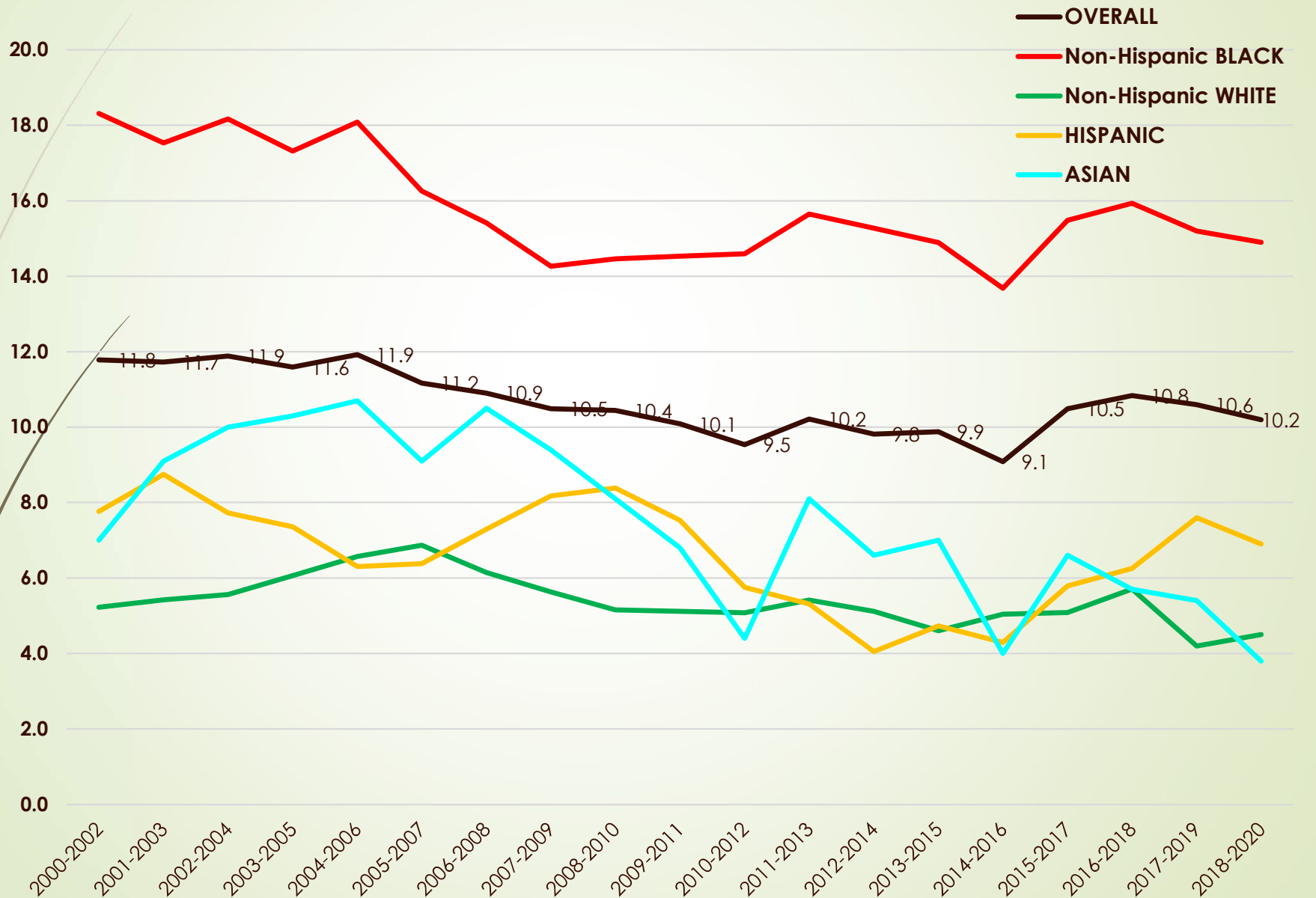
2016-2018 Stillbirths (Fetal Deaths)

City of Milwaukee N=165



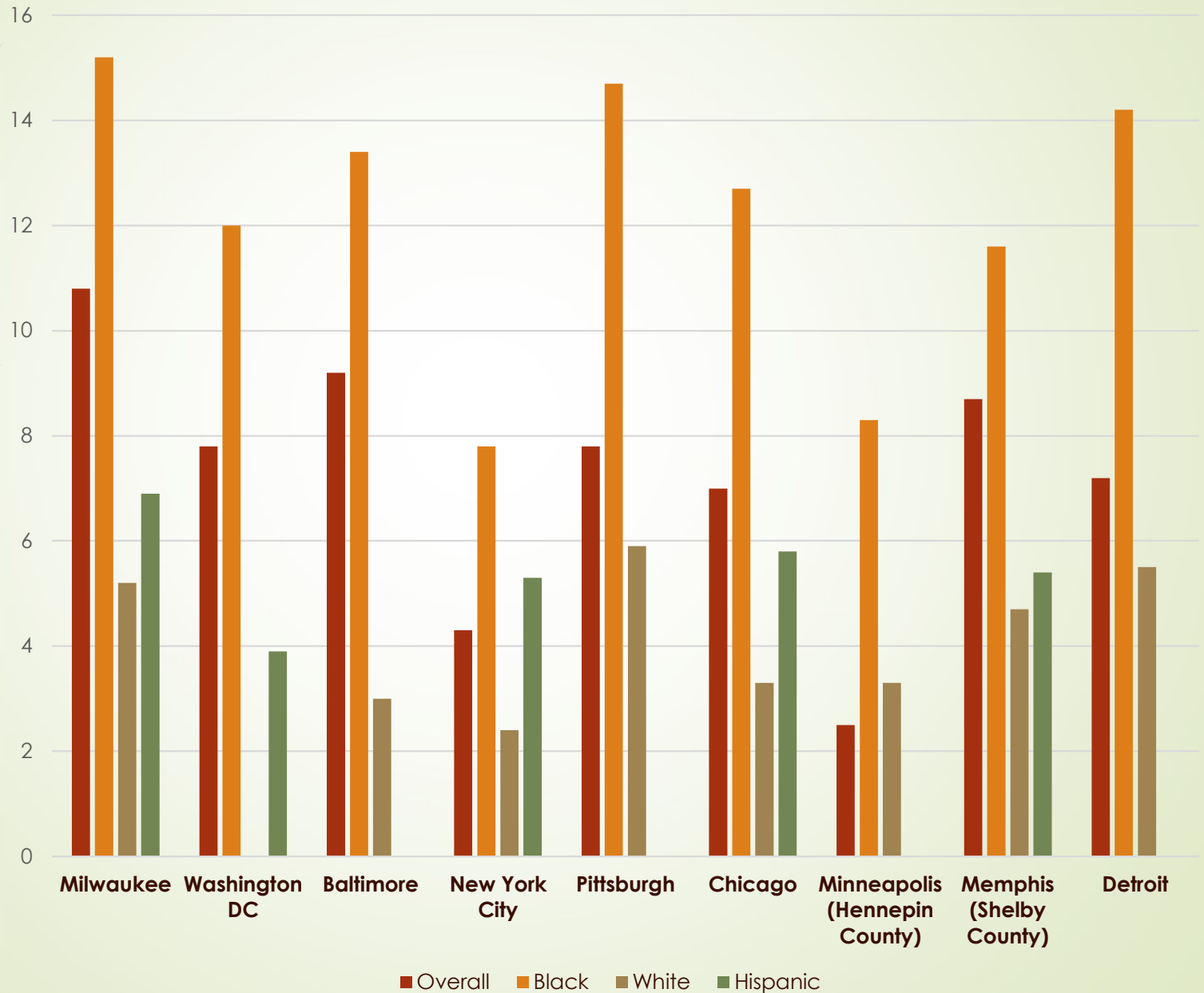
INFANT MORTALITY RATES, 2000-2020

3 year rolling averages, City of Milwaukee



Infant Mortality City Comparisons

2018-2019 infant mortality rates



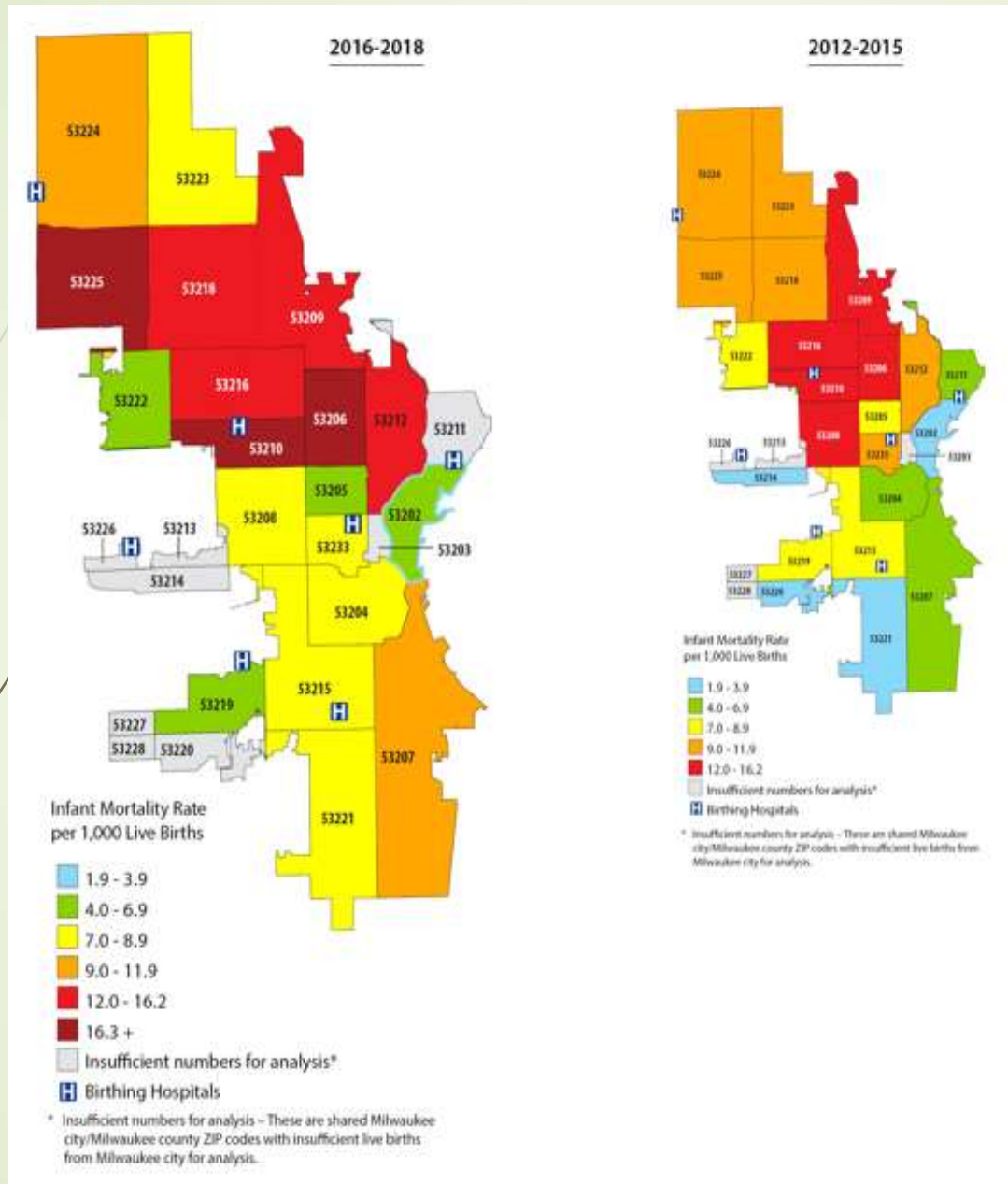


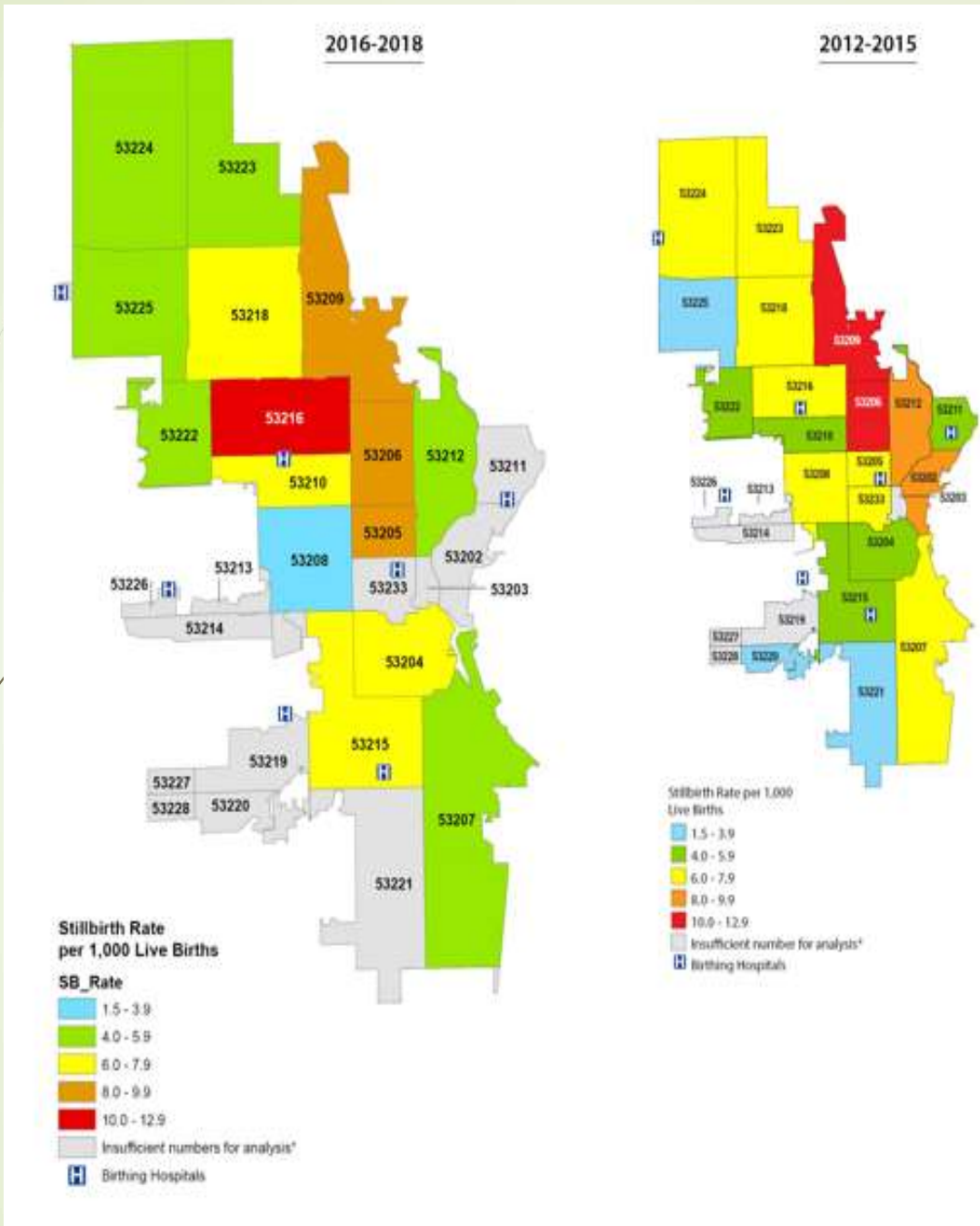
What Milwaukee zip codes have the highest infant mortality in 2020?

➤ 53233	34.5
➤ 53206	21.7
➤ 53223	21.5
➤ 53216	19.0
➤ 53208	15.8
➤ 53204	12.8
➤ 53225	12.0

2016-2018

Infant Mortality ZIP CODE MAP (compared to 2012-2015 data)





2016-2018 STILLBIRTH ZIP CODE MAP

(compared to 2012-2015 data)



Risk factors in infant death and stillbirth

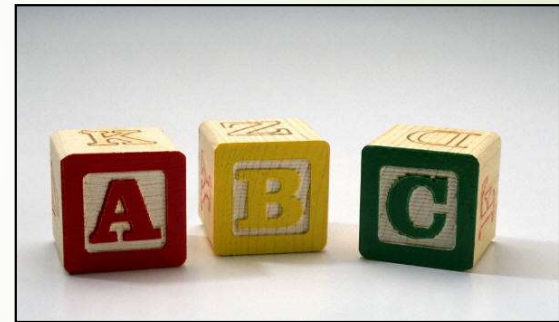
- Previous Preterm Birth
- Maternal STD or infection
- Pre-pregnancy BMI >30
- Tobacco use
- Marijuana use
- Opioid or other drug use during pregnancy
- Close Interval pregnancy
- No postpartum visit
- No birth control discussion`
- Interpersonal violence
- Mental Health issues
- Maternal hypertension, diabetes
- Late or no prenatal care
- Lack of father involvement
- Grief process support

Improving Birth Outcomes through Public Education

Cribs for Kids Program

Babies need to sleep:

- A – Alone
- B – on their Back
- C – in a Crib
- S – in Smoke Free Air





FIMR Recommendations of the CASE REVIEW TEAM

OVERALL RECOMMENDATION:

Mother's Lives and Voices Matter!

Especially those of Black Mothers!

Those Who Serve: Listen! Learn! And Practice Cultural
Humility and Competent Care!



FIMR RECOMMENDATIONS

- Social Issues are Health Issues.
- Advocate for a Medicare policy change to expand Medicaid coverage to one year and to include livebirths, an infant who died, a stillbirth, or a miscarriage.
- Providers need to obtain knowledge of ED or urgent Care visits which should trigger a provider/social service home visit or other appropriate referral.
- Reproductive life planning is an individual right and should be promoted.
- We need to improve resources for smoking cessation which is the single most preventable risk factor for infant death and stillbirth.
- We need to advocate against the normalization of marijuana use during pregnancy and postpartum.

FIMR RECOMMENDATIONS

- ▶ Infant sleep placement in car seats, on boppy pillows, on inclined sleepers, couches, chairs, on an air mattress or on the floor are **NOT** APPROPRIATE for any baby, **at any time**.
- ▶ Partner involvement and engagement during pregnancy, delivery, in the hospital and through the grief process is critical.
- ▶ Chronic health conditions and unhealthy behaviors directly affect maternal health and the ability to carry a pregnancy to term and give birth to a health baby.
 - ▶ Acknowledgement of obesity and weight management follow through,
 - ▶ Diabetes control,
 - ▶ Blood pressure control,
 - ▶ Mental Health and stress,
 - ▶ Infection treatment/test of cure.
 - ▶ Interpersonal Violence (psychological, physical or sexual abuse),
 - ▶ Racism

INFANT DEATH AND STILLBIRTHS



Substandard Housing

Uninvolved parents

Social policy

Bad Neighborhoods

Transportation Problems

Poverty

Limited Access
to Care

Under-
Education

Poor Prenatal Care

Racism

Weathering

Unemployment

Hopelessness

Unsafe Sleep

Stress

Teen Pregnancy

Segregation

Adverse Environmental conditions

Smoking

Close Interval Pregnancy

Lack of family Support

Food Insecurity

Poor Working Conditions

Domestic Violence