

Kansas Maternal Mortality

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Kansas Maternal Mortality Review Committee (KMMRC)

- Established in 2018 to review all pregnancy associated deaths
- ➤ Completed reviews of 2016-2018 cases
- Annual report was released in January, which includes cases from 2016-2018 for maternal mortality



Definitions

Pregnancy associated (PA): The death of a woman during pregnancy or within one year of the end of pregnancy regardless of cause.*

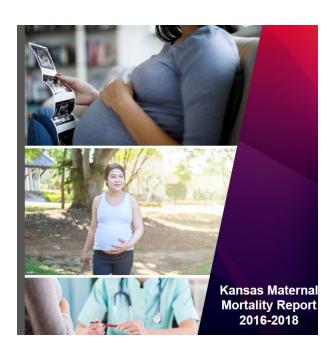
Pregnancy related (PR): The death of a woman during pregnancy or within one year of the end of pregnancy from a pregnancy complication, a chain of events initiated by pregnancy, or the aggravation of an unrelated condition by the physiologic effects of pregnancy.*

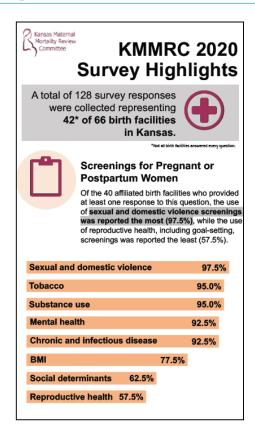
Severe Maternal Morbidity (SMM): Severe maternal morbidity can be thought of as unintended outcomes of the process of labor and delivery that result in significant short-term or long-term consequences to a woman's health.

*Source: Centers for Disease Control and Prevention. Division of Reproductive Health. Building U.S. Capacity to Review and Prevent Maternal Deaths Program. Maternal Mortality Review Committee Decisions Form v20. October 13, 2020. https://reviewtoaction.org/content/maternal-mortality-review-committee-decisions-form



Data, Figures & Surveys





KMMRC 2020 Survey Higlights



Referral Mechanisms for **Postpartum Women**

Of the 42 birth facilities who provided at least one response to this question, the most common referral mechanism reported was, 'patient is provided resources and selfrefers' (78.6%). The least common referral mechanism reported was, 'healthcare navigator is in charge of referrals' (19.0%).



Patient is provided resources and selfrefers - 78.6%



Local Health Department providers are in charge of referrals 33.3%



OB provider is in charge of all referrals - 69.0%



Other responses, such as EHR or other staff - 18.6%



Social work referral from inpatient to outpatient setting -66.7%



Healthcare Navigator is in charge of referrals - 19.0%



OB clinic is in charge of referrals -35.7%







Pregnancy Associated deaths



Obesity contributed to about one in six deaths (9 deaths, 15.8%)

<u>Substance use disorder</u> contributed to about one in three deaths (17 deaths, 29.8%).

47% of the deaths occurred 43 days to one year after the end of pregnancy

Source: Kansas Maternal Mortality Review Committee



Pregnancy Related deaths

The leading causes of death were (in order):



Cardiovascular and coronary conditions



Preeclampsia and Eclampsia



Embolism



Infection

Obesity contributed to more than half of the deaths (7 deaths, including 1 additional probably contributed, 53.8%)

Mental health conditions contributed to about one in 13 deaths (1 death, 7.7%)

<u>Substance use disorder</u> contributed to nearly one in four deaths (3 deaths, 23.1%).

Source: Kansas Maternal Mortality Review Committee





Severe Maternal Morbidity

Per 10,000 delivery hospitalizations, respectively, the top five most common indicators of SMM were:

10.3
Acute renal failure

10.1

Disseminated intravascular coagulation

9.3
Sepsis

9.0
Hysterectomy

8.8
Adult/acute respiratory distress syndrome

Source: Kansas Maternal Mortality Review Committee





Kansas Perinatal Quality Collaborative

Kansas Perinatal Quality Collaborative (KPQC)

- Established in 2018
- ❖ 2018-2020 focus was on Neonatal Abstinence Syndrome (NAS).
- Starting in 2021, the focus will be a maternal quality improvement initiative, called the Fourth Trimester Initiative.
 - The project was chosen based off of MMRC data



Dissecting the Data

Postpartum follow up

40 % of women do not attend PP visits

Higher rates in low SES populations... health disparity

No PP visit means No:

- ID of medical/social problems (Exam & Screenings)
- Referral for Chronic Disease Treatment
- Family Planning
- Behavioral Health Eval (SUD, Mental Health)
- Breastfeeding support

No PP F/U means YES to:

- Unintended PG, short interval PG, PTB
- Unhealthy pregnancies, still unhealthy moms
- Mental Health concerns untreated (NAS connection)
- "More than half of PG-related deaths occur after the birth of the infant"





We had to decide TOGETHER...



NOT on my watch



Fourth Trimester Initiative (FTI)

- ONE GOAL: decreasing maternal morbidity and mortality in our state.
- The FTI was designed to be a cutting-edge approach to study and improve the experience of our mothers and families in Kansas.
- Align with state and national goals
- Constantly watch data, be responsive
- Engage all partners:
 - Providers
 - Patients
 - Population (Community)



Fourth Trimester Initiative Plan

GOAL:
Decrease
maternal
morbidity and
mortality in
Kansas

- > Provide guideline-driven, best practice health care
- Conduct standardized screening of all childbearing-aged women
- Provide mechanisms to assure timely referral and follow up
- Identify each mother's Postpartum Care Team
- Ensure a personalized Patient Plan of Care ("Mom Plan")
- Provide reproductive health planning
- Establish ongoing insurance coverage
- Address social determinants of health and health equity



Fourth Trimester Initiative

- Birth Facilities will:
 - Participate in educational opportunities that will include SBIRT and implicit bias training
 - Be provided technical assistance (TA) to review policies and processes to make changes that encourage improved maternal outcomes
 - Connect with their community providers and services to ensure a collaborative approach and collective impact for each mom
- The facilities will report on predetermined performance measures and outcomes



Collective Impact: We are ALL IN

Inpatient

Hospitals

Birth Centers

Home Births

Providers

Nurses

Navigators

Social Workers

Lactation

Outpatient

Public Health Depts: MCH

FQHCs

PCP Clinics

OB Private Practice

WIC

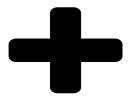
KanCare and the MCOs

Nurse Home Visitors

School Districts: PAT



"Mom Plan"



The Postpartum Care Plan



Healthy Moms



"New" Model: The Postpartum Care Team

Murses



Lactation Support

OB Navigator





Enrollment in AIM



AIM PP Bundle- set to be released Summer 2021



The "Mom Plan"

Support Person

Money

COVID

Warning Signs



Racism

Insurance

Day Care

Breastfeeding

Mental health





Fourth Trimester Initiative

Through this work we will **engage and empower** patients, their families and support system, providers, and Kansas communities to **intentionally improve** maternal health outcomes with our collective, inspired effort.



Helpful links

KPQC: Home - Kansas Perinatal Quality Collaborative (kansaspqc.org)

AIM: Council on Patient Safety in Women's Health Care (safehealthcareforeverywoman.org)

