Navigating Pregnancy and Substance Use with Care and Support

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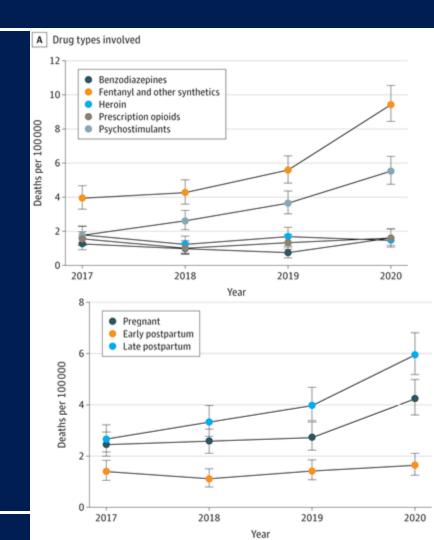
Dr. Muzik has no relevant financial or nonfinancial relationships to disclose.

Alison's story

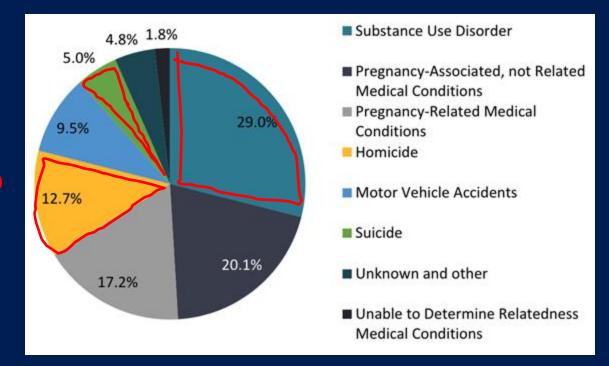
- Alison is late 30s, presents at 20 weeks gestation with 1st pregnancy
- Until 4 years ago she worked full time in a helping profession,
 " it was very stressful job"
- Reports lifetime h/o anxiety, depression, ADHD
- Reports history of multiple abusive relationships, IPV and trauma
- Polysubstance use for about 10 years
 - o Initially occasional use of stimulants, cocaine and sedatives
 - o in past 4 years escalated to cocaine use disorder, opioid use disorder
 - o Overdoses in last year x3 (fentanyl); at last OD pregnancy discovered in ED

Opioid Crisis- Fentanyl

- Fentanyl is a powerful synthetic opioid that is 50x stronger than heroin and 100x stronger than morphine.
- Illicit fentanyl is often disguised and sold as heroin or other prescription opioids
- From 2017 to 2020, large increases in pregnancy associated deaths involving fentanyl and other synthetics and psychostimulants (eg, methamphetamine, cocaine) were observed.

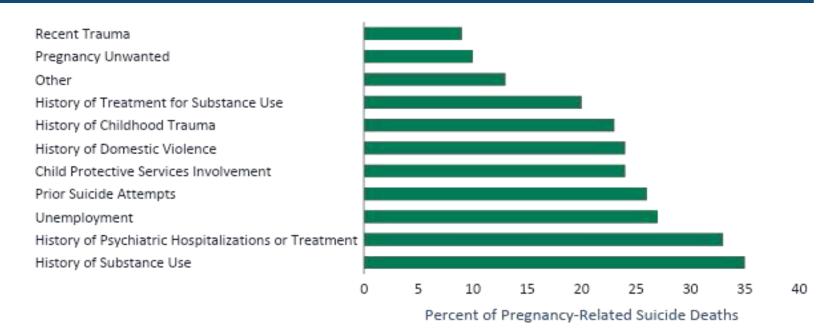


The #1 cause of pregnancy associated mortality



48%

Connection between suicide deaths and violence, trauma and substance use



66% of pregnancy-related suicide deaths had at least one life stressor/SUD documented

Trost SL, Beauregard JL, Smoots AN, Ko JY, Haight SC, Moore Simas TA, Byatt N, Madni SA, Goodman D. Preventing Pregnancy-Related Mental Health Deaths: Insights From 14 US Maternal Mortality Review Committees, 2008-17. Health Aff (Millwood). 2021 Oct;40(10):1551-1559. doi: 10.1377/hlthaff.2021.00615. PMID: 34606354.

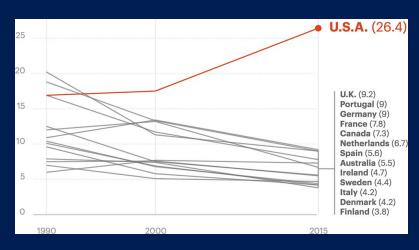
Substance Use

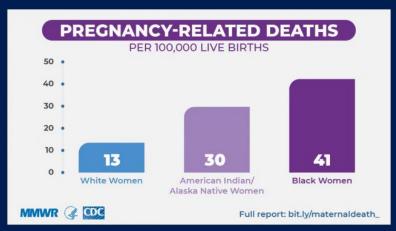
Trauma Violence

PTSD

Depression Anxiety

US Maternal mortality rates





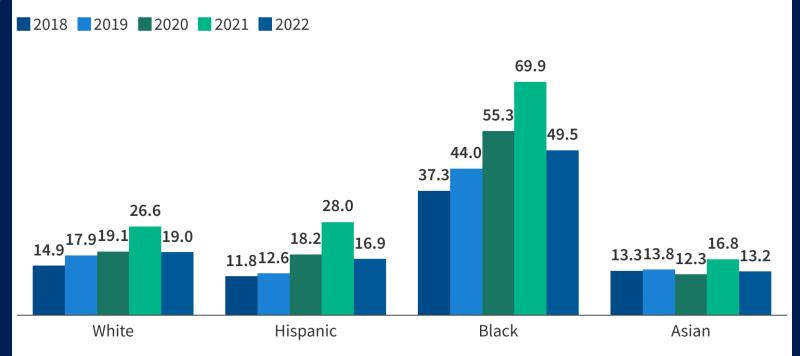
National Vital Statistics System, (NVSS)

~700 women die each year during pregnancy or first year following pregnancy

U.S. ranks last among industrialized nations in maternal mortality Women of color die at 3-4x the rate of White women

Figure 2

Maternal Mortality per 100,000 Births by Race and Ethnicity, 2018-2022



Note: Persons of Hispanic origin may be of any race but are categorized as Hispanic for this analysis; other groups are non-Hispanic. Other races are not shown due to small numbers. Maternal deaths are defined as deaths that occur while pregnant or within 42 days of being pregnant.

Source: Hoyert DL. Maternal mortality rates in the United States, 2022. NCHS Health E-Stats. 2024.



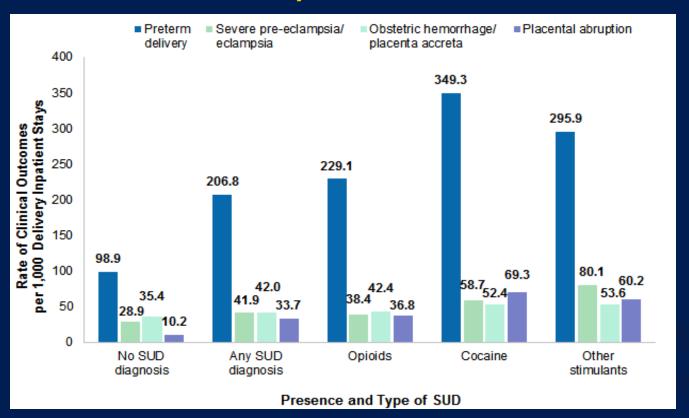
What are the effects of OUD/SUD on pregnancy?

- Lack of prenatal care
- Structural anomalies (e.g., stimulants, alcohol)
- Fetal growth restriction
- Abruption
- Preterm labor
- Neonatal Withdrawal

- Stillbirth
- Maternal overdose/death
- High-risk activities
- Co-occuring mental health conditions
- Disrupted social networks
- Polysubstance use

Adverse outcomes can be mitigated if care is provided.

Maternal Morbidity with SUD (data from 2016)



What can we do?

- Engage at-risk or using women in welcoming prenatal care that is shame-free, nurturing and multidisciplinary
- Provide comprehensive, evidence-based medical, psychological, social and spiritual care
 - Address SDOH needs
 - Support breastfeeding, bonding & parenting
 - Support healthy and safe social networks

Engage

Birthing people with OUD/SUD face unique challenges in the United States.

Criminalization of OUD/SUD

>25 states and
Washington DC consider
substance abuse in
pregnancy child abuse.

Notion of fetal personhood.

Changes in abortion laws further legitimize criminalization of birthing people.

Reinforced stigma

Limits access to diagnosis and treatment in pregnancy.

In MI, clinicians are mandated to report suspected child abuse/neglect for symptoms of/suspicion of alcohol or a controlled substance in the newborn.

Birthing people with OUD/SUD face unique challenges in the United States.

"Contrary to claims that arresting and prosecuting pregnant people will encourage them to desist from substance use and thus improve maternal and fetal health, fears of detection and punishment present a significant barrier to care, causing some people to delay or avoid prenatal care altogether. This creates a health risk, since substance-using pregnant people who do receive prenatal care experience more positive birth outcomes and have more opportunities for other health-promoting interventions than those who do not receive care."

What do you think is the #1 reason for birthing people with OUD/SUD not seeking *prenatal* care?

FEAR

#1 reason for not seeking prenatal care in birthing people using substances.

Welcoming Care

Guiding principles to inform care delivery









Words matter

Trauma-informed

Harm Reduction

Social Drivers of Health







The Seven Types of Stigma

TYPE 1

Public Stigma

This happens when the public endorses negative stereotypes and prejudices, resulting in discrimination against people with mental health conditions.

TYPE 2

Self Stigma

Self-stigma

happens when

a person with mental illness or

substance-use

public stigma.

disorder internalizes

TYPE 3

Perceived Stigma

Perceived stigma is the belief that others have negative beliefs about people with mental illness.

TYPE 4

Label Avoidance This is when a

not to seek

stigma.

person chooses mental health treatment to avoid being assigned a stigmatizing label. Label avoidance is one of the most harmful forms of

TYPE 5

Stigma by Association

Stigma by association occurs when the effects of stigma are extended to someone linked to a person with mental health difficulties. This type of stigma is also known as "courtesy stigma" and "associative stigma."

TYPE 6

structures that

opportunities

for people with

mental illness

are considered

structural stigma.

result in decreased

Structural Stigma Health Practitioner Institutional policies Stigma or other societal

This takes place any time a health professional allows stereotypes and prejudices about mental illness to negatively affect a patient's care.

TYPE 7







Poor quality of life gnosis

Delayed diagnosis





Goal for language to be:

- Person-centered
- Gender neutral
- Treatment is done WITH patients, not TO them.
- Find the positivity!
 - o Small wins
 - Tell stories of success and recovery

Person-First Language Guide Addict. A Person with a Addiction, Substance Use Disorder Dirty Former Addict, A Person in Getting Clean Recovery Clean, Substance Sober Free Treatment is Treatment is One the Goal Path to Recovery Opioid Replacment, Medication Opioid Management Assisted Treatment

Relapse

What We Say Matters

Recurrance, Return

to Substance Use

Motivational Interviewing Techniques-"OARS"

- Open Questions
 - How can I help you with ___?
 - Help me understand ___?
 - How would you like things to be different?
 - What do you want to do next?

Affirmations

- I appreciate that you are willing to meet with me today.
- You are clearly a very resourceful person.

Reflective listening

- It sounds like you...
- You're wondering if...

Summary reflections

- Let me see if I understand so far...
- Here is what I've heard. Tell me if I've missed anything.
- Is there anything you want to add or correct?



https://iod.unh.edu/sites/default/files/media/ 2021-10/motivational-interviewing-thebasics-oars.pdf

Motivational Interviewing: The Basics, OARS

(Adapted from handouts by David Rosengren and from Miller & Rollnick, Motivational Interviewing, 2nd Edition, 2002)



TRY THIS

Instead of saying...

Now that you're pregnant you need to stop smoking.

Say... What do you think about your smoking now that you're pregnant?

Instead of saying...

If you loved your children you'd stop using.

Say... I know you love your children. What can we do to help you parent them the way you want to?



See
SAMHSA's
resources
and guide.

Instead of saying...

You'll probably lose custody of this baby too.

Say... What was it like when you lost your child?



Harm reduction: shifts conversation from....

Get people to do the "right thing."

Get people to come back safely.



Harm Reduction

A practical approach to care for people engaging in behaviors that carry risk in a compassionate and life-saving manner. Harm reduction reduces stigma, promotes community, and supports the autonomy of individuals.



Perinatal Harm Reduction Toolkit; SAMSHA

HARM REDUCTION SERVICES

















- Incorporates a spectrum of strategies
- Meets people "where they are" but doesn't leave them there
- Applies evidence-based interventions to reduce negative consequences:
 - Medication for opioid use disorder (MOUD)
 - Naloxone rescue kits
 - Syringe exchange programs
 - O PrEP (Pre-exposure prophylaxis for HIV)
 - Fentanyl test strips
 - HEP C testing /HIV testing & education on prevention/treatment
- Works to elicit <u>ANY POSITIVE CHANGE</u> based on individual patient's need, circumstance, and readiness to change



Social drivers of health

80%

Of health outcomes are driven by non-medical factors

What happens outside of the office/hospital has a greater effect than any clinical care.

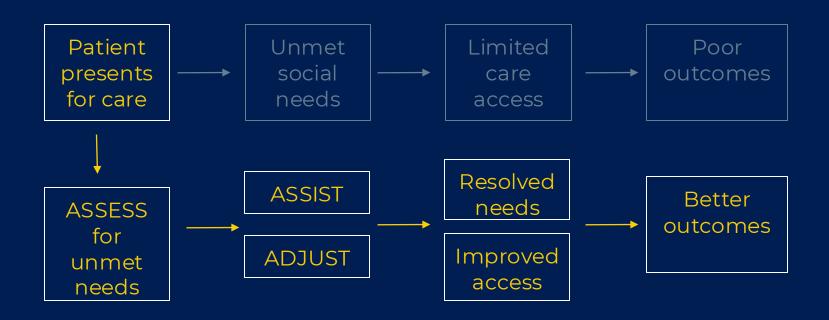


Social drivers of health



- Economic stability
- Education
- Health Care Access
- Neighborhood/Build Environment Safety
- Social/Community Context Social Support
- Housing
- Emotional Needs

Addressing SDoH improves access & outcomes





Social drivers of health





80%

of women seeking treatment for addiction report a history of physical/sexual assault/trauma

Women with SUD are 12x more likely

to experience PTSD



Adverse Childhood Experiences

ACE Study

- § Dr. Vincent Felliti & Dr. Robert Anda
- §Study to examine how childhood events affect adult health
- § 17000 participants
 - § Middle class
 - § Middle aged
 - §75% white
 - § 40% with college degrees
 - § all with jobs and good health care
- § 10 Adverse Childhood Experiences (ACEs)









The three types of ACEs include

ABUSE NEGLECT





Sexual

HOUSEHOLD DYSFUNCTION



Physical



Emotional



Mental Illness



Incarcerated Relative



Mother treated violently



Substance Abuse



Divorce



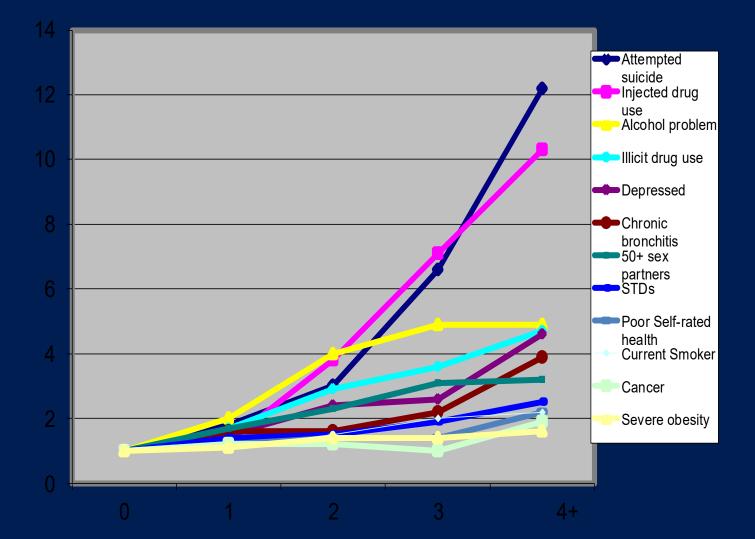
ACE Score = Number of ACE Categories



ACE Scores Reliably Predict Challenges During the Life Course

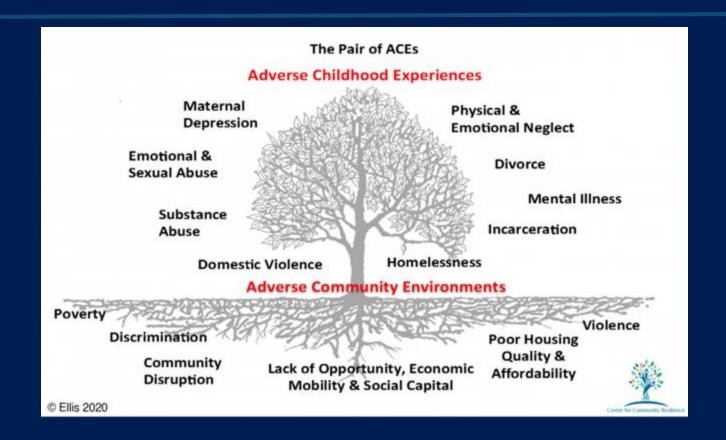








What are adverse experiences for many patients?



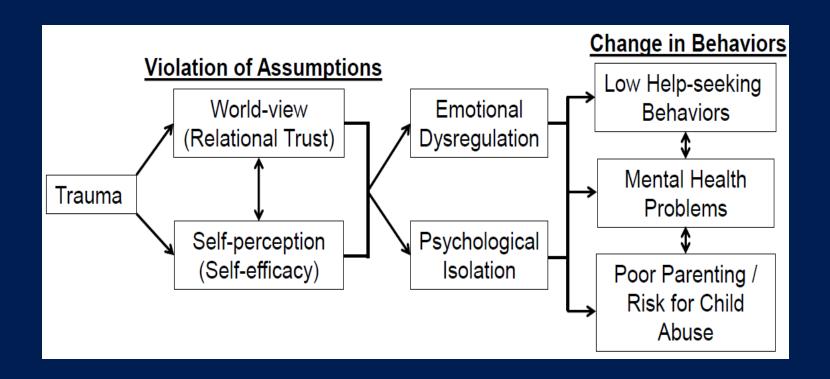


The Root Causes Go Deeper: Atrocious Cultural Experiences – the Original ACEs

"Original A.C.E.s" Atrocious Cultural Exp	Adverse Community Environments	ACEs
 Genocide Slavery Colonization Forced family separations Sanctioned attacks on individual's bodies Removal of property/land Denial of basic human rights 	 Ableist policies and practices Linguistic supremacy Police violence Mass incarceration Disparities in preschool expulsion Inequities in access to jobs and housing Inequities in the child welfare system Poverty 	 Abuse Physical/Emotional/ Sexual Neglect Physical/Emotional Household dysfunction -Mental Illness -Incarcerated relative -Mother treated violently -Substance abuse - Divorce

(from Ghosh Ippen, C.M., Handbook of Infant Mental Health 4th Ed, 2019)

Trauma changes trust, functioning, and help seeking



Alison's story

- Reports history of childhood abuse and neglect (parents w/SUD)
- Reports multiple abusive relationships starting adolescence to adulthood
- Current IPV with FOB who is also a user
- Limited social network for support,
- Feels isolated, unstable housing
- Does not trust the system, feels ashamed, and worried about CPS
- prenatal care initiation at 20 weeks





Paradigm Shift to appreciate the role of trauma



Realize

Recognize

Respond

Resist Re- traumatizing

Trauma is widespread and influences recovery paths

Staff education
Identify traumatizing
aspects of care
"What happened to
you?" NOT "What's
wrong with you?"

Symptoms of trauma in patients and people caring for them

Screening (e.g., PTSD, ACEs) Provide staff support Information is not a privilege Fully integrate TIC into policy, procedure, and practice

Build safe physical environment Display trauma support resources Meet patients on equal footing Avoid perpetuating trauma

Include patients in care planning. Elicit patient concerns Acknowledge resilience

EB care

Evidence-based pregnancy care

- Universal substance use screening
- IF doing Urine toxicology
 - Tell pt you are doing it and why!
 - DO NOT "FIRE" patients for "unexpected" results
 - Review laws regarding Child Protective Service referrals
- Mental health screening and treatment

Infections

- Hepatitis C UNIVERSAL screening now recommended
 - Hepatitis A & B → if negative vaccinate!
- HIV PCR (not just antibody) <u>if active</u> substance use
- STIs (Gonorrhea/chlamydia)

Ultrasound

- Consider Detailed*
- Consider 3T growth ultrasound*
- Consider Antenatal testing*

Mental health in pregnancy and postpartum

SUD

Danraccian

Number of births in US (2020): 3,613,647 https://www.cdc.gov/nchs/fastats/births.htm



common

Depression	15 %-40 %
Anxiety	10-30%
Postpartum Blues	50%-85%
Bipolar/Psychosis	1-5%
• Trauma	20-25%
PTSD	3-7%

15%_10%

5%

Opioid Use Disorder in Pregnancy

- Standard treatment for OUD in pregnancy:
 - Methadone long-acting opioid agonist
 - Buprenorphine partial opioid agonist
 - Naltrexone
- Detoxification results in a high risk of relapse increasing the risk of opioid overdose and severe morbidity and maternal death
- 50-90% of opioid exposed pregnancies → Neonatal Opioid Withdrawal Syndrome (NOWS)



Tobacco use and NOWS

- MOUD dose does **NOT** correlate with risk of NOWS
 Light versus heavy smoking **DOES** correlate with risk
 of NOWS
 - Focus on smoking cessationNot decreasing MOUD dose

Methadone dose and neonatal abstinence syndrome—systematic review and meta-analysis

Brian J. Cleary^{1,2,3}, Jean Donnelly¹, Judith Strawbridge², Paul J. Gallagher², Tom Fahey⁴, Mike Clarke^{5,6} & Deirdre J. Murphy^{1,3}

Does Maternal Buprenorphine Dose Affect Severity or Incidence of Neonatal Abstinence Syndrome?

Jacqueline Wong, MD, Barry Saver, MD, MPH, James M. Scanlan, PhD, Louis Paul Gianutsos, MD, MPH, Yachana Bhakta, BS, James Walsh, MD, Abigail Plawnan, MD, David Sapienza, MD, and Vania Rudolf, MD, MPH Prenatal Buprenorphine Versus Methadone Exposure and Neonatal Outcomes: Systematic Review and Meta-Analysis

Susan B. Brogly*, Kelley A. Saia, Alexander Y. Walley, Haomo M. Du, and Paola Sebastiani

Neonatal abstinence syndrome in methadone-exposed infants is altered by level of prenatal tobacco exposure

Robin E. Choo^a, Marilyn A. Huestis^a, Jennifer R. Schroeder^b, Angela S. Shin^a, Hendrée E. Jones^{c,d,*}

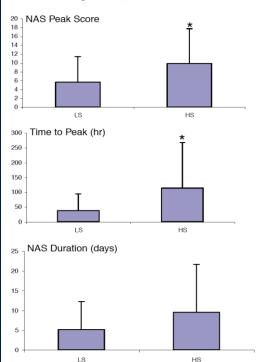


Fig. 1. Neonatal abstinence syndrome (NAS) parameters for neonates of light (LS) and heavy (HS) smokers. The upper panel shows peak scores, the middle panel shows time to peak and the lower panel shows syndrome duration. (**) P < 0.05.

Resources for Smoking Cessation

- Referral to "Quitt Lines"
- CM
- NRT
- Bupropion
- varenicline





Education about Opioid Overdose



Accidental Poisoning or Drug Overdose During Pregnancy

Accidental poisoning or drug overdose is the leading cause of pregnancyassociated death in Michigan. Understanding the risks of drug use during pregnancy and how to prevent overdoses can help prevent these deaths. This handout will:

- · Define pregnancy-associated death
- · Explain other leading causes of pregnancy-associated death in Michigan
- Explain the rise of opioid-affected births in Michigan and how to prevent opioid overdose during pregnancy

What is pregnancy-associated death?

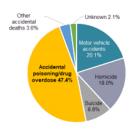
Pregnancy associated death is dying while pregnant or within 1 year of the end of a pregnancy due to a cause unrelated to pregnancy.

What causes pregnancy-associated death?

The most common cause of pregnancy-associated injury deaths in Michigan is accidental poisoning/drug overdose (45 out of 100 or 45%).

What are the other causes of Pregnancy-Associated Deaths in Michigan?

This chart shows the causes of pregnancyassociated deaths in Michigan and their percentages from 2011-2016. Accidental poisoning/drug overdose is the leading cause of death (47 out of 100), followed by motor vehicle accidents (20 out of 100), homicide (18 out of 100) and suicide (9 out of 100).



Department of Obstetrics and Gynecology

- 1 -

Opioids and pregnancy

- Opioid-affected births have quadrupled (increased by 4) over the last 10 years, to 6.5 affected out of 1000 births.
- Opioid use in pregnancy increases the risk of maternal death (death of the mother) and increases the risk of life-threatening health issues.





How can an opioid overdose be stopped?

Naloxone (Narcan, "Evzio") is a drug (nasal spray) that temporarily reverses the dangerous effects of an opioid overdose. It stops an overdose caused by opioid pain medication, methadone, buprenorphine or heroin. It helps a person to breathe again and wakes them up. The images here only show what Naloxone looks like. Visit the resources below to learn how to give Naloxone.





Where can I learn more?

People at risk for overdose and their families can learn to spot an
overdose and save a life. Scan this QR code with a smartphone to view a
video on how to give Naloxone during an opioid overdose, or visit:
https://tinvurl.com/ukvij3z.



 A step-by-step guide for giving Narcan can be found here: http://michmed.org/rnw59.

> Department of Obstetrics and Gynecology Accidental Poisoning or Drug Overdose During Pregnancy

Eat, Sleep, Console (ESC)

https://www.umwomenshealth.org/conditions-treatments/eat-sleep-console-program



and creating a healthy path forward for the both of you.





Partnering for the Future (PFF) Program

Located in Ann Arbor, MI and housed within Michigan Medicine's Von Voigtlander Women's Hospital It is a clinic specifically designed for pregnant patients with:

- Opioid Use Disorder
- Substance Use Disorder
- Chronic pain with long-term opioid use

PFF offers a safe place for patients to tell their story and help get the best care for individuals and their families during and after their pregnancy.

PFF Care Options:

Our clinic meets patients with OUD/SUD/Chronic Pain where they are through 3 key approaches.

Consultation

Our team works directly with the patient to build a perinatal care plan. We share the plan and supporting materials with you!

Co-Management

Are you an obstetric provider who needs help managing MOUD? An addiction medicine provider looking for prenatal services for patients with OUD/SUD? We can co-manage patients with you!

Referral

PFF can provide comprehensive clinical care for patients during the perinatal period and up to 1 year postpartum.

PFF Clinic



Clinical Care

Education







Research

Engagement



The PFF Comprehensive Care Model

- **1. What?** Integrated care for birthing people with OUD/SUD/Chronic Pain
- 2. Who? Multidisciplinary team
- **3. Where?** All together in a co-located, integrated clinic
- **4. When?** Every week with lots of contact between visits

Our Clinical Team

Core Team

- Ob/Gyn
- Addiction Medicine
- Perinatal Psychiatry
- Social Work- BHC
- Program Coordinator
- Peer Recovery Specialist

Supporting Team

- Anesthesiology
- Physical Therapy
- Pediatrics
- Nursing
- Addiction Consult Team

MOM POWER



- EB-intervention for moms with trauma and mental health issues
- Multigenerational therapy that strengthens positive caregiving relationships
- 12-weeks, 13-session theory-driven treatment
- Led by licensed therapist
- Integrated mental health and parenting curriculum

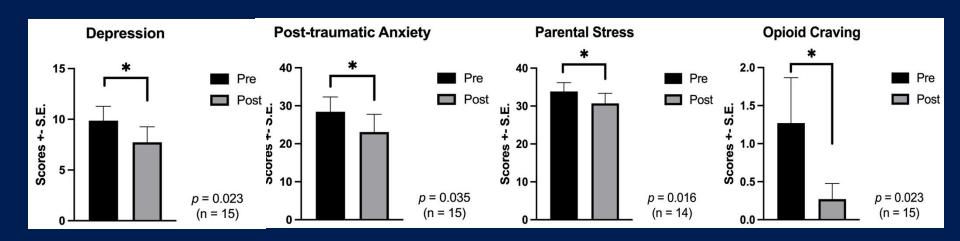


Mom Power is Theory-Driven

- Attachment Theory
- Relationship Focused (Infant Mental Health)
- Diversity Informed Practice
- Trauma Informed Care
- Cognitive Behavioral Theory (CBT)
- Dialectical Behavioral Theory (DBT)
- Motivational Interviewing (MI)
- Interpersonal Psychotherapy
- Using nature metaphors to discuss complex concepts - "The Tree"
- Goal is to enhance Reflective Capacity & Empathy



MP-OUD reduces depression, PTSD, parenting stress, and craving



NIDA DA053688
Postpartum Intervention for Mothers with Opioid Use Disorders - Brain-Behavior Mechanisms

Recovery is a

PROCESS

not a singular event

Be Trauma Informed!

- Understand Trauma is common
- Create Safety
- Trustworthiness and Dependability
- Collaboration and Empowerment
- Compassion & Empathy
- Self-care to prevent burn-out



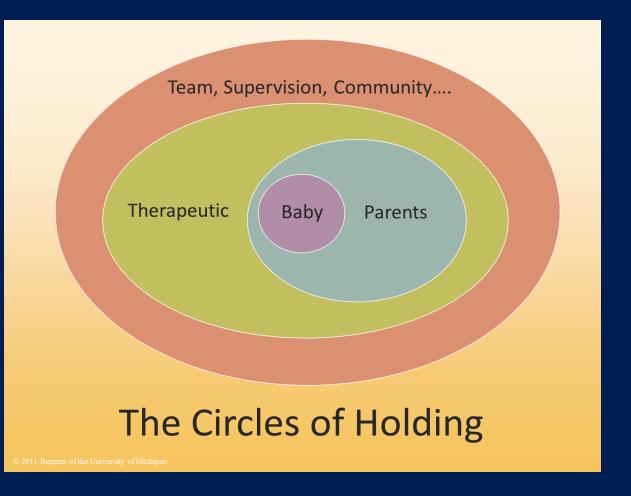
Be....

- Kind
- Respectful
- Supportive
- Caring
- Empathetic



"Do unto others as you would have others do unto others."

> Jeree H. Pawl 1986



Thank you.

Questions?

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