

Management of Substance Use Disorders in Perinatal Patients

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No financial Conflicts

All medications discussed are off label when used in pregnancy



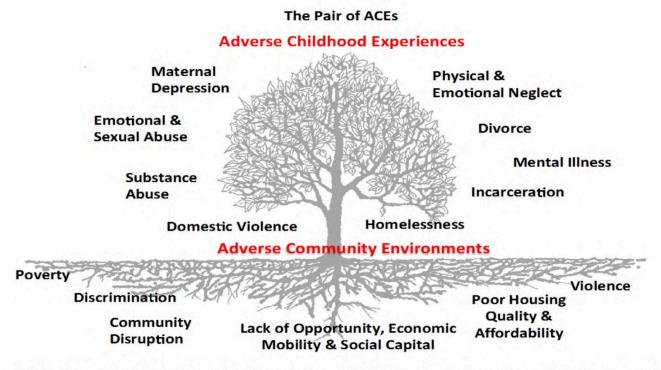
Trauma and Trauma Informed Care

Substance Use Disorders in Pregnancy



Impact of alcohol, cannabis, sympathomimetics and opioids in perinatal individuals

Adverse Childhood Experiences: in the soil and the air



Ellis, W., Dietz, W. (2017) A New Framework for Addressing Adverse Childhood and Community Experiences: The Building Community Resilience (BCR) Model. Academic Pediatrics. 17 (2017) pp. S86-S93. DOI information: 10.1016/j.acap.2016.12.011

Maternal trauma can negatively impact one's pregnancy, postpartum experience and infant health.

Exacerbation of perinatal mood and anxiety disorders

Poor maternal infant bonding

Reduced or early cessation of breastfeeding

Preterm birth risk

Low birth weight

Dysregulation in fetal neurobiological systems

Yonkers et al., 2014; Brand et al., 2010; Meltzer-Brody et al., 2013; Muzik et al., 2016; Smith et al., 2016

Individuals with past trauma and ACES are more likely to experience...

- Substance use disorders
- Suicide attempts
- Adolescent pregnancy
- Fetal death
- Medical co-morbidities

Trauma and Opioid Use Disorder intersect in the perinatal population

Adverse Childhood Experiences (ACEs) were associated with:

 Rates of recent injection drug use and lifetime overdose earlier age of initiating opioids

In perinatal individuals:

- 65% of perinatal individuals with OUD had an ACE score of 4 or more (average ACE score 4.3 vs 1.4 in a survey sample)
- 16-26% of pregnant women with OUD are diagnosed with PTSD

Inadequate access to MH services is:

- Associated with hospital admissions in perinatal individuals
- Seen as a barrier to care

Stein, Michael D et al." *Drug and alcohol dependence* vol. 179 (2017): 325-329.; Gannon et al *Comm Mental Health* 2020; Saia et al. Curr Obstet Gynecol Rep 5, 257–263 (2016;) Patrick et al 2020; Titus Glover et al 2020

Health care can be retraumatizing



Interpersonal factors

- Power dynamic between provider and patient
- Gender of provider/patient
- Lack of privacy (physical/emotional)

Physical factors

- Exposure during examination
- Discomfort due to symptoms or examination/procedure
- Positioning
- Physical touch

In medical/SUD treatment settings, trauma and PTSD symptoms often go unnoticed

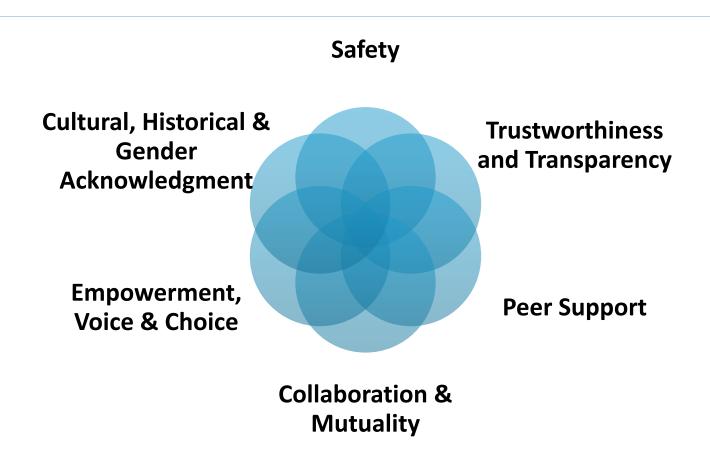
Patients do not disclose because of...

- Shame
- Helplessness
- Stigma
- Fear of partner retaliation
- Fear of child protective service involvement

Providers do not inquire because of...

- Lack of training
- Insufficient time
- Perceived short supply of support resources
- Obstetric care itself can be traumatic

Six core principles of Trauma Informed Care

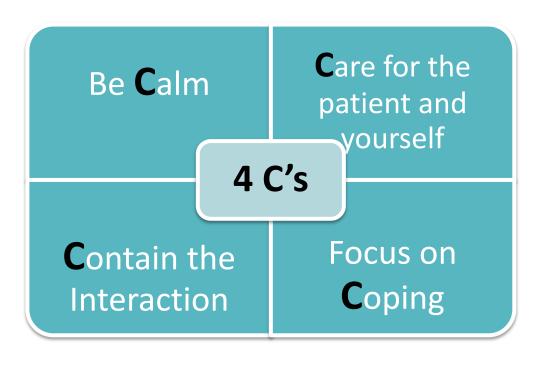


Utilize TIC principles in all aspects of care.

Environment	Policies	Attitudes/Beliefs
Calm and clean	"No wrong door"	Patient centered
Privacy	Clear and transparent policies	Asking questions, not making assumptions
Accessibility	Language accessibility	Honoring differences in coping
Pleasant	Seeking feedback	
	CAN DO approach	

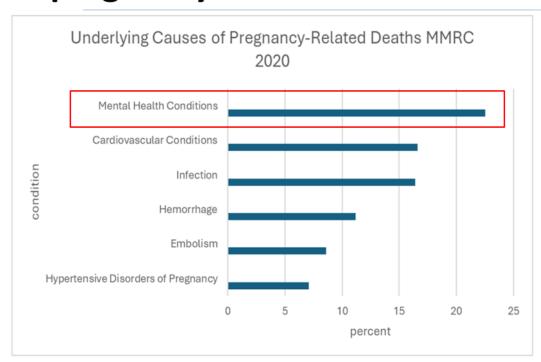
Prepare to discuss trauma with each patient

Practice Personal Preparation: 4 C's





Mental health conditions are a leading cause of pregnancy-related deaths



Mental health conditions include deaths of suicide, overdose/poisoning related to substance use disorder, and other deaths determined by the MMRC to be related to a mental health condition, including substance use disorder.

Trost SL, Busacker A, Leonard M, et al. Pregnancy-Related Deaths: Data from Maternal Mortality Review Committees in 38 U.S. States, 2020. Centers for Disease Control and Prevention, U.S. Department of Health and Human Services; 2024 U.S.

Substance use among pregnant individuals (age 15-44), National Survey on Drug Use and Health, 2019

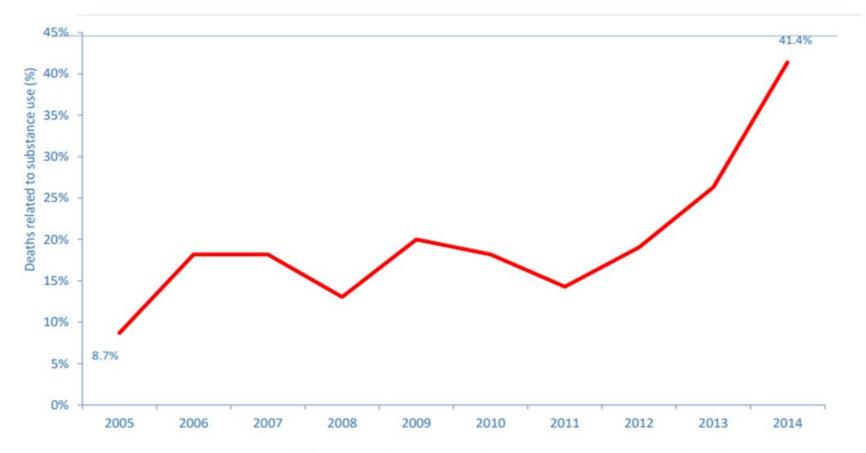
18.6%

Used an illicit substance, nicotine product or alcohol in past month

Fig. 1. Proportion of pregnant individuals with past-month substance use, National Survey on Drug Use and Health, 2019.

Smid. Substance Use Disorders Management in Perinatal Period. Obstet Gynecol 2022.

Pregnancy associated deaths related to substance use are on the rise

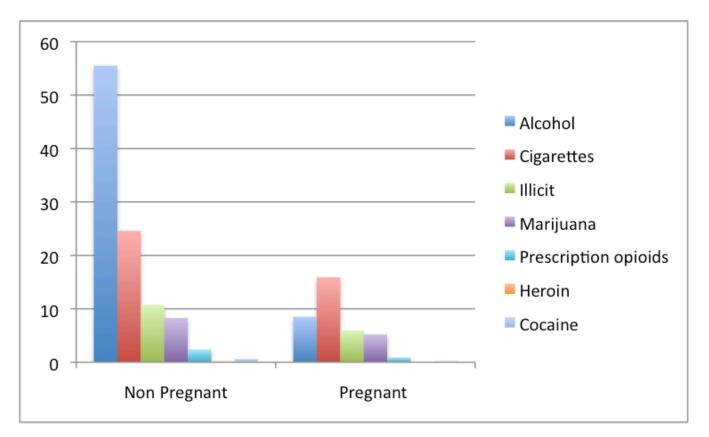


Substance Use among pregnancy associated deaths 2005-14, MA DPH Data brief https://www.mass.gov/service-details/maternal-mortality-and-morbidity-initiative

Women with substance use disorders can present throughout pregnancy and the



Pregnancy is a window of opportunity during which women stop using substances



Drug use in the past month, females 15-44

Havens JR et al. Drug and Alcohol Dependence 99 (2009) 89–95; NSDUH 2012 National Survey on Drug Use and Health (2012); Harrison et al Maternal Child Health J (2009) 13:386–394

Think pregnancy for ALL reproductive aged women



Half of pregnancies are unplanned – greater proportion in individuals with SUD and psychiatric diagnoses

Substance use during pregnancy poses risk to the woman, fetus, and family

Difficulties Poor Exposure to with labor nutrition Overdose Teratogens management Placental Limited access Infectious risk Withdrawal insufficiency to prenatal care

Preventable cause of maternal & infant mortality

(eg HIV, HCV)

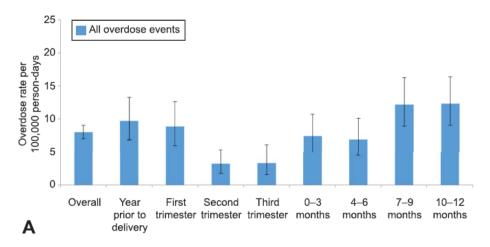
Substance use during pregnancy opportunities and challenges Stigma and Refractory Shame Illness **Legal issues** Providers' own emotional reactions Time elapsed before recognition

of pregnancy

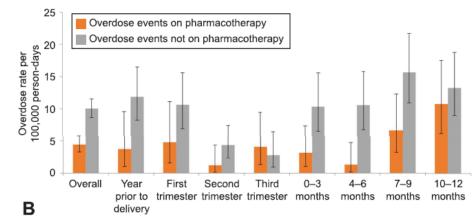
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Access

Opioid overdose is a leading cause of maternal mortality

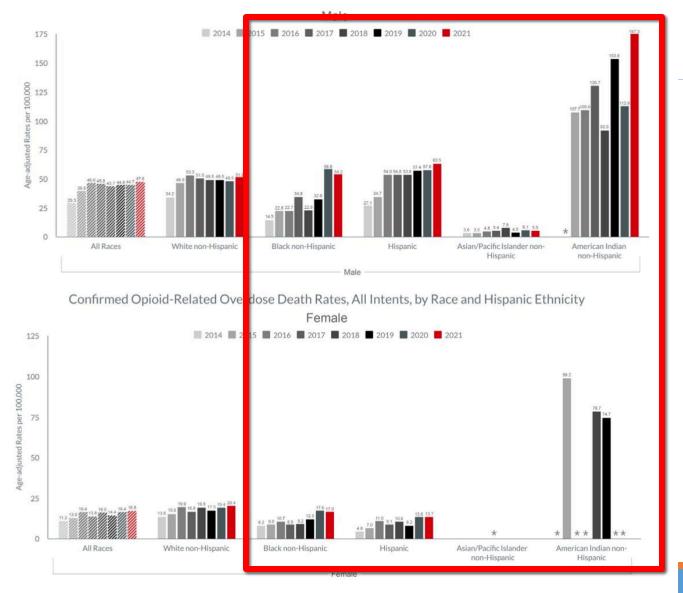


Methadone and Buprenorphine save lives



Mortality is greatest after delivery

There are racial and ethnic inequities in annual mortality related to opioid overdose



^{*}Rate calculations based on death counts less than 5 are excluded due to rate instability.

Women with any history of substance use should be counseled as early as possible about possible social service reporting after delivery

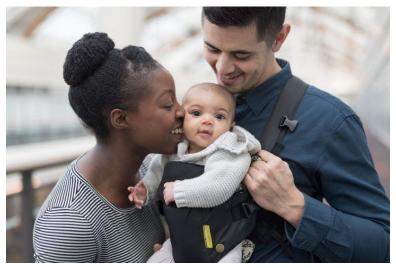


Fear of loss of custody greatly impacts women with substance use disorders in pregnancy

Substance use and treatment leads to many reports to social services

There is increased scrutiny in this process for families affected by poverty and families of color

Losing custody increases the risk of substance lapse/relapse





Detection and Toxicology Screening

Maternal Screening
Prenatal and at time of delivery
universal screening is not
recommended
utility of negative screens

Neonatal Screening
serum/urine reflects use
Hair/meconium reflects use since 2nd
trimester
cord blood

Consent

Pregnant and Parenting women with SUD benefit from the development of a team of providers

All perinatal individuals with SUD are encouraged to have a Family Care Plan









Cannabis is the most commonly used substance in pregnancy in the U.S. and recreational use is legal in many states

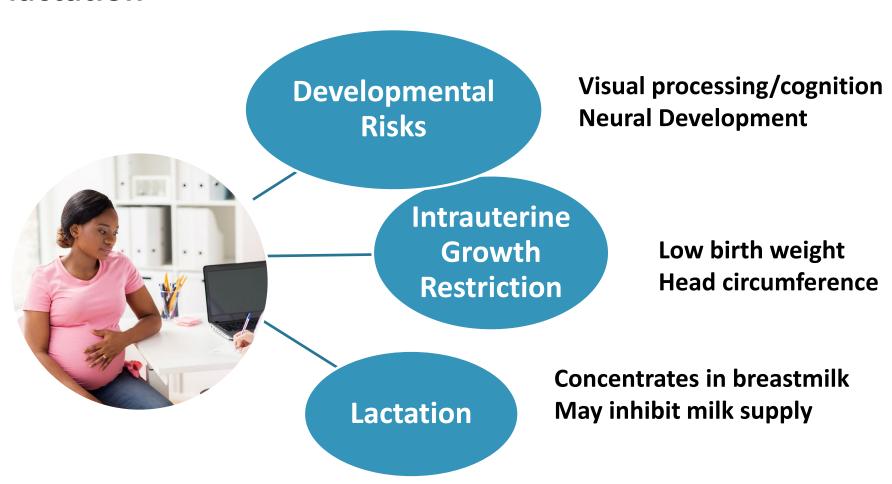
48-60% of users continue during pregnancy

There are limited human data available for THC/CBD use in pregnancy

Marijuana and synthetic cannabinoids are highly potent



The US Surgeon General, FDA, ACOG and AAP advise women to abstain from cannabis use in pregnancy and lactation





Impact of Alcohol Use in pregnancy goes beyond Fetal Alcohol Spectrum Diagnoses

Effect on perinatal person

- Acute Intoxication
- Risks of chronic use
- Withdrawal syndromes

Effect on fetus/neonate

- Alcohol Related
 Birth defects
- Acute neonatal intoxication, hypotonia
- Neonatal withdrawal

Effect on child/family

- Neurobehavioral
 Disorder
 associated with
 prenatal alcohol
 exposure (DSM-5)
- Impact on parenting/custody

Brief Interventions can impact alcohol use in pregnancy

Providers can:

Screen, assess and provide clear recommendations to abstain

2

Relay education regarding potential harms



Set goals and evaluate strategies to avoid triggers

Floyd 2007; Bhat 2015

Medication treatment for alcohol use disorder is dependent on the presenting symptom

Treatment for cravings

- Naltrexone has emerging data
- Less Data
 - Disulfiram
 - Acamprosate
 - Topiramate

Treatment for withdrawal

- Benzodiazepine taper
- Lorazepam is preferred
- Monitor vital signs

Alcohol can negatively impact lactation



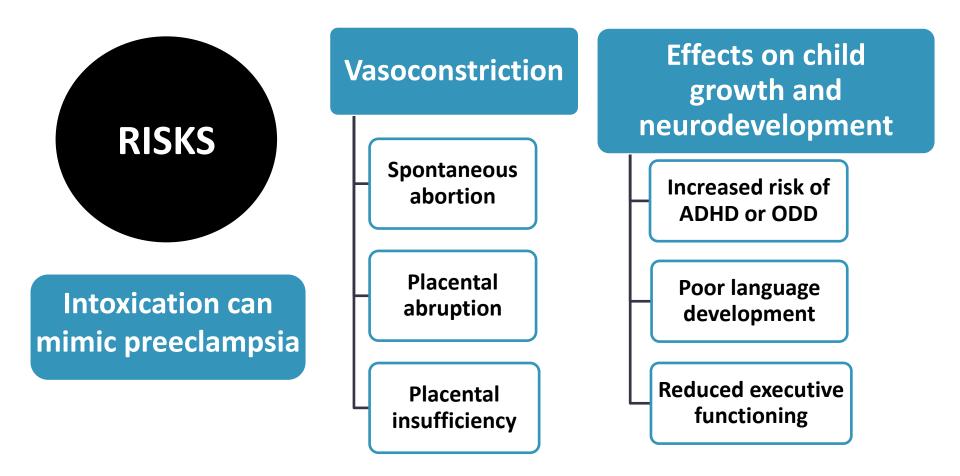
Alcohol can decrease breastmilk volume and milk ejection reflex

HIGH EXPOSURE RISK

Alcohol equilibrates across membranes within 30-60 minutes



The primary risks associated with cocaine use in pregnancy are due to vasoconstriction, not structural teratogenicity or withdrawal



Cressman et al JOGC 2014; Cain et al Clin OG 2013

Stimulants carry some risk so therapeutic use should be assessed based on risks of untreated symptoms

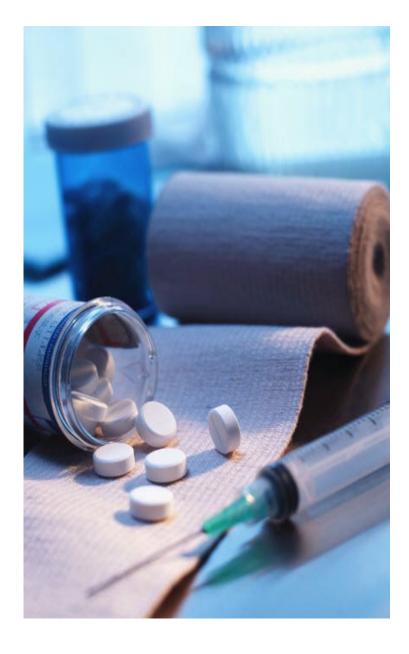




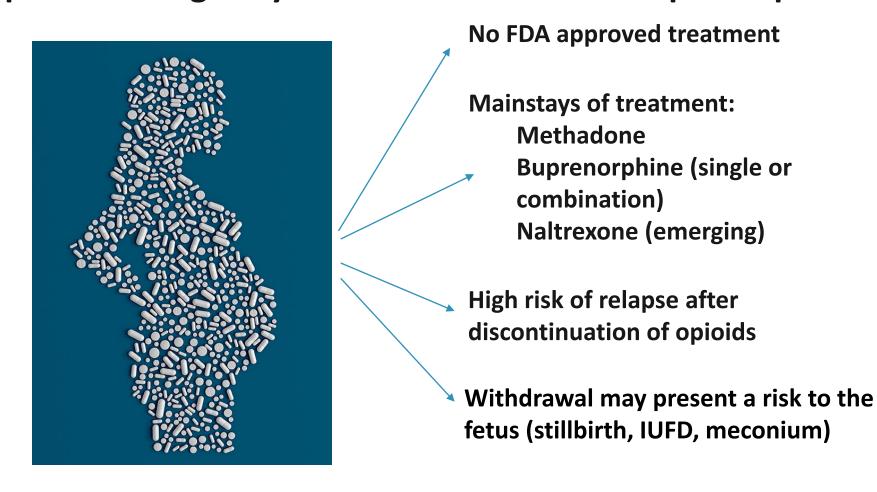


Therapeutic use

Abuse



Opioid use disorders in pregnancy are treated pharmacologically with methadone and buprenorphine



Rementeria et al. AJOG. 1973; 2. Zuspan AJOG.. 3. Fricker Arch of Pedi & Adol Med. 1978 4 Luty J of Sub Abuse Treat. 2003 5.Towers et al AJOG 2015 6 Jones et al. The American Journal on Addictions. 2008

Maintenance treatment is preferred, but medication assisted withdrawal can be considered

Some increasing literature supporting medication assisted withdrawal (aka Detox)

Absence MOUD provider
Pt preference
Risks for relapse remains high



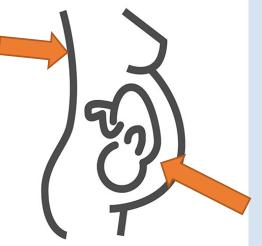
For women with opioid use disorders, there are maternal and fetal benefits to medication during pregnancy

Maternal Benefits:

70% reduction in overdose related deaths

Decrease in risk of HIV, HBV, HCV

Increased engagement in prenatal care and recovery treatment



Fetal Benefits:

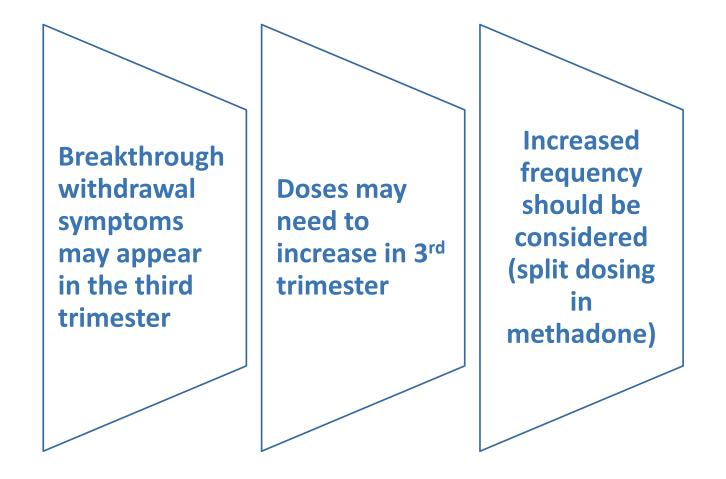
Reduces fluctuations in maternal opioid levels; reducing fetal stress

Decrease in intrauterine fetal demise

Decrease in intrauterine growth restriction

Decrease in preterm delivery

Dose adjustments for MOUD are often needed in the third trimester due to the physiology of pregnancy



Buprenorphine is as effective as methadone for the treatment of opioid use disorder in pregnancy

No apparent difference between buprenorphine and methadone for:

Medical complications at delivery

Illicit drug use/relapse risk

Abnormal presentation

Use of analgesia

Maternal weight gain

Cesarean section

Positive drug screen

Buprenorphine is now a first line treatment for opioid use disorder during pregnancy with distinct features

Fewer drug interactions

Office based treatment

Babies exposed have less severe withdrawal —

Lower risk of overdose and sedation

Single formulation (Subutex) is preferred *NOT Sublocade



Combination formulation (Suboxone) may be more accessible

Jones NEJM 2010, Blandthorn 2011, Park Psychsomatics 2012

Buprenorphine Treatment in Pregnancy and Maternal-Infant Outcomes

Table 2. Unadjusted Adverse Pregnancy Outcomes by Receipt of Medications for Opioid Use Disorder From 20 Weeks' Gestation to 6 Weeks Post Partum

	No. (%)		
Outcome	No buprenorphine treatment (n = 6994)	Buprenorphine treatment (n = 7469)	P value ^a
Primary maternal outcomes			
Severe maternal morbidity	483 (6.9)	403 (5.4)	<.001
Intensive care unit admission	34 (0.5)	25 (0.3)	.19
Maternal death	NR (<0.1) ^b	NR (0) ^b	.12
Primary infant outcomes			
Preterm birth (gestational age <37 wk)	1392 (20.0)	1055 (14.0)	<.001
Neonatal intensive care unit admission	1204 (17.2)	1135 (15.2)	.001
Infant death	NR (0.1) ^b	14 (0.2)	.50
Secondary infant outcomes			
Gestational age, median (IQR), wk	38 (37-39)	39 (37-39)	<.001
Neonatal opioid withdrawal syndrome	2263 (32.4)	3859 (51.7)	<.001
Birth weight, median (IQR), g	2985 (2590-3330)	2995 (2640-3317)	.29
Small for gestational age	1517 (21.9)	1854 (24.9)	<.001
Assisted ventilation required for >6 h	236 (3.4)	257 (3.4)	.86
Any primary adverse pregnancy outcome	2157 (30.8)	1899 (25.4)	<.001

Abbreviation: NR, not reported.

 $^{^{}a}$ Pearson χ^{2} test.

^b Samples fewer than 10 have been suppressed.

Treatment with buprenorphine during pregnancy consists of three distinct phases of management and monitoring

Induction **Maintenance** Initiation of treatment requires mild Peri/Postpartum Dose adjustments if withdrawal symptoms necessary Continue Role for fetal **Planning for delivery** maintenance dose monitoring and postpartum Manage pain **Inpatient vs Outpatient** (Pain management & **Transition to** relapse prevention) combination formulation Adjust dose over 2-4 weeks PP

Microdosing of buprenorphine may allow for more rapid engagement in a high-risk population

Micro dosing: Bernese Method

Buprenorphine dosing and use of street heroin

 Overlapping induction of buprenorphine with full M opioid antagonist feasible

Day	Buprenorphine (sl)	Street heroin (sniffed)
1	0.2 mg	2.5 g
2	0.2 mg	2 g
3	0.8+2 mg	0.5 g
4	2+2.5 mg	1.5 g
5	2.5+2.5 mg	0.5 g
6	2.5+4 mg	0
7	4+4 mg	0
8	4+4 mg	0
9	8+4 mg	0

Data regarding the use of naltrexone during is emerging

Limited human data

If the patient is stable on naltrexone may be reasonable to continue

Available as daily oral treatment or monthly injectable



Peripartum pain management for women on buprenorphine and methadone patients requires a few special considerations



Maintenance doses of methadone or buprenorphine are not sufficient analgesia



Patients on agonist therapy report elevated pain scores and may have higher medication requirements



Non narcotic pain treatment should always be offered such as regional (epidural or spinal anesthesia) or NSAIDs (postpartum)



Avoid high affinity partial agonists (eg nalbuphine)



Shifting from NAS to Neonatal Opioid Withdrawal Syndrome (NOWS)

More descriptive and specific

NAS and the other NAS



Non pharmacologic treatment for NOWS is first line – Eat Sleep Console (ESC) decreases time in the hospital and empowers mother-infant relationships



decrease in the development of NAS

50%

decrease in neonatal hospital stay

Breastfeeding should be encouraged if SUD stable though criteria vary by setting/institution

Other Substances

Synthetic Cannabinoids

K2, Spice

eclampsia-like syndrome, fetal loss, ocular defects



Cathinones

Khat

confusion, HTN, agitation, still birth



Kratom

plant based thus perceived as natural intoxication, withdrawal neonatal withdrawal



How can MCPAP for Moms Help?

Call MCPAP for Moms at 855-666-6272, Monday – Friday 9:00 a.m. – 5:00 p.m. to request the following services:



Trainings and Toolkits

https://www.mcpapformoms. org/Toolkits/Toolkit.aspx



Real-time provider to provider phone consultation



Linkages with communitybased resources



Massachusetts Child Psychiatry Access Program

MGPAP

For Moms







Education

855-Mom-MCPAP

Resource & Referral



Our website has resources for providers as well as patients and families - www.mcpapformoms.org



Contact number for providers: 855-Mom-MCPAP (855-

Google Custom Search



Promoting Maternal Mental Health During and After Pregnancy



Click Below For Video



MCPAP for Moms promotes maternal and child health by building the capacity of providers serving pregnant and postpartum women and their children up to one year after delivery to effectively prevent, identify, and manage mental health and substance use concerns.



One in Seven

One out of every seven women experience depression during pregnancy or in the first year postpartum.

Depression during this time is twice as

common as gostational diabeter

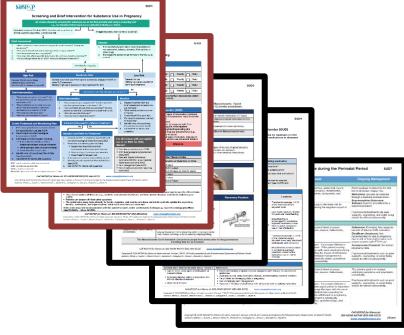
Provider Resources



Trainings and toolkits for providers and their staff on evidence-based guidelines for: depression screening, triage and referral, risks and benefits of medications, and discussion of screening results and treatment options.



Real-time psychiatric consultation and care coordination for providers serving pregnant and postpartum women including obstetricians,



SUD Treatment Provider Toolkit

<u>https://www.mcpapformoms.org/Toolki</u> ts/SubstanceUseProgramToolkit.aspx





Substance Use and Mental Health Disorders in Perinatal Individuals:

A Toolkit for Substance Use Disorder Treatment Providers





Non-Stigmatizing Language Reducing Stigma by Using Strength-Based Language



Substance use disorders are chronic illnesses, and recovery can be achieved with treatment and ongoing support. The language that we use can help create an inclusive environment that promotes treatment. Using strength-based and person-first language can help clients feel respected, valued, and help build trust.

Non-Stigmatizing Language	Stigmatizing Language
Person who uses substances	Substance abuser or drug abuser Alcoholic Addict User Abuser Drunk Junkie
Babies affected by maternal opioid use	Addicted babies/born addicted
Substance use disorder or addiction use, misuse Risky, unhealthy, or heavy use Non-medical use	Drug habit Abuse Drug problem
Substance of use	Drug of choice
Person in recovery Abstinent Not drinking or taking drugs	Clean
Medication for addiction treatment (MAT) Medication for Opioid Use Disorder (MOUD)	Substitution or replacement therapy Medication-Assisted Treatment (MAT)
Positive/aberrant, negative (toxicology screen results)	Clean or dirty urine
Opioid Treatment Program (OTP) Dispensing	Methadone clinic Dosing
Impaired Intoxicated	Nodding Stoned High
Non-adherent	Failed/failure Non-compliant
Discharge Transferred	Termination Shipped out
Former client Seeing multiple providers	Frequent flyer Doctor shopping

Call MCPAP for Moms at 855-MOM-MCPAP (855-666-6272).

Adapted from The Grayken Center for Addiction at Boston Medical Center "Words Matter Pledge."
From Substance Use and Mental Health Disorders in Perinatal Individuals: A Toolkit for Substance Use Disorder Treatment Providers
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of Mental Health. Authors: Mittal L., Gallagher R., Rosadini S., Byatt N.

https://www.mcpapformoms.org/ Toolkits/SubstanceUseProgramTo olkit.aspx

Summary of Impact and Management of Substance Use in Pregnancy



Summary of Impact and Management of Substance Use during the Perinatal Period

SUD7

Risks of Maternal Use	Acute Intoxication	Withdrawal	Ongoing Management
		Opioids	100 mm
Fetal effects: Opioids do not cause structural fetal abnormalities. However, opioid use during pregnancy is associated with intrauterine growth restriction, fetal demise, meconium leakage/aspiration, and preterm labor.	Symptoms: Sedation, euphoria, decreased respiration	Symptoms: Nausea, vomiting, diarrhea, abdominal muscle pain, leg cramping, rhinorrhea, lacrimation, recklessness, sweating, anxiety, hot and cold flashes, tachycardia, and yawning	Pharmacologic treatment is the first line to decrease relapse risk. Methadone can only be obtained through a federally licensed clinic. Buprenorphine (Suboxone,
Neonatal effects: Neonatal Abstinence Syndrome (NAS)/Neonatal Opioid Withdrawal Syndrome (NOWS), hypotonia, respiratory depression at delivery	Management: Naloxone (Narcan), monitoring respiratory status	Management: Initiate agonist therapy to decrease risk for relapse. There is mixed data regarding the negative impact of maternal opioid withdrawal.	Subutex) must be prescribed by a waivered provider. Psychosocial treatments like peer
Maternal effects: Postpartum hemorrhage, risk of maternal overdose (mortality increases first year postpartum)	0.34000.000.000		supports, counseling, and sober living should be offered concurrently.
		Alcohol	
Fetal effects: Spontaneous abortion, pre-term labor, stillbirth, intrauterine growth restriction Neonatal effects: Fetal Alcohol Spectrum Disorder (FASD) and other developmental/behavioral problems, intoxication, withdrawal, Sudden Infant Death Syndrome (SIDS)	Symptoms: Disinhibition, sedation, slowed reaction time, vomiting, loss of coordination, sedation/loss of consciousness Management: IV fluids	Symptoms: Rapid heart rate, increased blood pressure, tremor, anxiety, flushing, diaphoresis, nausea, hallucinosis, delirium tremens, and seizures Management: Benzodiazepine taper. Lorazepam (Ativan) is	Naltrexone: Emerging data suggests low risk of adverse birth outcomes. Disulfiram (Antabuse): Not recommended for use in pregnancy due to risk of fetal malformation and severe reaction with ETOH use
Maternal effects: Hepatic/pancreatic toxicity, physiologic dependence, risks of injuries/falls	(supplement with multi- vitamin thiamine and folate), prevention of physical injury	preferred over other benzodiazepines. If the patient is using benzodiazepines, manage the taper with same medication being used. There is limited data regarding the impact of withdrawal on pregnancy. The setting for withdrawal management is individually determined based on obstetric status, gestational age, and medical and psychiatric comorbidity.	Acamprosate (Campral): No human pregnancy data Psychosocial treatments such as peer supports, counseling, or sober living should be offered concurrently.
		Benzodiazepines	
movement Neonatal effects: Preterm birth, low birth weight, low apgar, withdrawal syndrome, admission to NICU Maternal effects: Physiologic dependence, worsening of depression and anxiety, cognitive decline	Symptoms: Anxiolysis, euphoria, amnesia, disinhibition and symptoms similar to alcohol intoxication	Symptoms: Rapid heart rate, increased blood pressure, tremor, anxiety, flushing, diaphoresis, nausea, hallucinosis, delirium tremens, and seizures	The primary goal is to manage underlying symptoms and psychiatric comorbidity. Psychosocial treatments such as peer
	Management: Flumazenil can be used to reverse acute overdose, though it is associated with increased risk of seizure, and there is no human pregnancy or lactation data.	Management: Benzodiazepine taper. Lorazepam (Ativan) is preferred, but may also use the same agent patient is dependent on. If using benzodiazepines, manage the taper with the same medication being used. There is limited data regarding the impact of alcohol or benzodiazepine withdrawal on pregnancy. The setting for withdrawal management is individually determined based on obstetric status, gestational age, and medical and psychiatric comorbidity.	supports, counseling, or sober living should be offered concurrently.



Summary of Impact and Management of Substance Use during the Perinatal Period (cont'd) SUD8

Risks of Maternal Use	Acute Intoxication	Withdrawal	Ongoing Management
		Cannabis	
Fetal effects: There is increased risk for psychiatric and substance use disorders in offspring. There are similar risks associated with smoking tobacco. Lipophilic (e.g., stores in fetal brain and body fat) Neonatal effects: Associated with deficits in visual	Symptoms: Euphoria, anxiety or paranoia, impaired judgement, conjunctival injection	Symptoms: Irritability, anxiety, sleep difficulty, change in appetite, mood changes, abdominal pain, shakiness, tremors, headache, and diaphoresis	Women should be advised to abstain during pregnancy/breastfeeding. Given the dose response for some risks, like growth restriction, even cutting down may be beneficial.
processing, executive function, attention, academic achievement			Assess for mental health or comorbid condition.
In lactation: Levels of cannabinoids in breastmilk can exceed maternal serum levels, and exposure via breastmilk is associated with lethargy, slowed motor development, and increased risk of Sudden Infant Death Syndrome (SIDS).	Management: Supportive care	Management: Generally presents within 2-3 days of cessation of use and can last 2-3 weeks. Symptomatic and supportive care.	There is no FDA-approved pharmacotherapy for cannabis use disorder. Psychosocial treatments are indicated.
Maternal effects: Risks are associated with smoking, exacerbation of depression, anxiety or psychosis; heavy use could trigger hyperemesis syndrome.			
	Cocaine, Amphetan	nines, and Other Stimulants	
Fetal effects: Intrauterine growth restriction, placental abruption, increased risk for still birth Neonatal effects: Transient hypertonia, irritability, hyperreflexia. Vasoconstriction can increase the risk of necrotizing enterocolitis. There is mixed data on neurodevelopmental impact.	Symptoms: Euphoria, agitation, hyperactivity, anxiety, disorientation, confusion, and psychosis Risk for placental abruption with binge use	Symptoms: Sedation/somnolence, dysphoria, vivid dreams	Anti-craving agents such as topiramate, tiagabine, and modafinil are used in non-perinatal patients, however have not been well studied in pregnancy and lactation. Psychosocial treatments are the primary evidence-based treatment – peer supports, counseling, and sober living.
Maternal effects: Hypertension and coronary vasospasm, pregnancy loss	Management: If severe, manage agitation with benzodiazepines or antipsychotic. Acute intoxication can confound assessment of vital signs and management of labor. Avoid beta blockers.	Management: Supportive care: symptomatic treatment for physical symptoms, otherwise does not require pharmacologic treatment	
		Tobacco	
Fetal effects: Smoking is associated with spontaneous abortion and intrauterine growth restriction. Nicotine is associated with miscarriage and stillbirth.	Symptoms: Acute use can result in increased heart rate, blood pressure, and GI activity.	Symptoms: Cessation has been associated with cravings, anxiety, insomnia, and irritability.	Quitting is the goal, but cutting down has benefits. Nicotine replacement should be used with a goal of cessation, not for ongoing and/or concurrent use.
Neonatal effects: Preterm birth, low birth weight,	Management: Supportive care is generally sufficient.	Management: Nicotine replacement can help with acute withdrawal, with the goal of eventual, gradual taper.	E-cigarettes: not well studied in pregnancy
SIDS, persistent pulmonary hypertension of the newborn Maternal effects: Increased risk of deep vein			Bupropion: minimally effective Varenicline: effective, but limited pregnancy data
thrombosis, pulmonary embolism, stroke, respiratory illness			Quitworks offers free phone counseling.

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Authors: Mittal L., Suzuki J., Moore Simas T., Ziedonis D., Callaghan K., Straus J., Rosadini S., Byatt N.

Call MCPAP for Moms at: 855-MOM-MCPAP (855-666-6272) www.mcpapformoms.org



Treatment Options for Perinatal Substance Use Disorder (SUD)

How to Find Treatment and Resources		
Bureau of Substance Abuse Services (BSAS) Helpline: Helps patient/provider determine treatment needs	1-800-327-5050 www.helplinema.org	
Massachusetts Behavioral Health Access (MABHA) Service Locator: Provider-oriented treatment locator	www.mabhaccess.com/ SUD.aspx	
Institute for Health and Recovery Resource Locator: Community resource locator by zip code	www.healthrecoverv.or g/resource-search	
The Journey Project: Website for pregnant and parenting women with substance use disorders	www.iournevrecoverv project.com	

Psychosocial Treatments		
Peer Support	Professionally led	Residential
Alcoholics Anonymous: www.aa.org Narcotics Anonymous: www.na.org SMART recovery: www.smartrecovery.org	Cognitive Behavioral Therapy Motivation enhancement Mindfulness-based treatments Couples/family Group counseling	Inpatient rehabilitation 28-day programs/"rehab" Long-term residential Sober living Therapeutic community
Patients can self-refer to any	Call MCPAP for Moms for	assistance with referrals

Plan of Safe Care (POSC)

The Plan of Safe Care is a document created jointly by a pregnant or parenting woman and her providers. This document helps a women and her team determine services or supports they may find useful to record and organize the patient's engagement in care.

- All women with a history of SUD should have a POSC coordinated.
- The POSC is intended to enhance collaboration and coordination of care.
- SUD treatment providers licensed by the MA BSAS are required to create a POSC and communicate about the POSC with other providers.
- POSC can be initiated at any time to facilitate the patient's engagement in
- POSC can be used to identify additional resources that may be helpful.
- DCF will ask if a POSC exists at the time any report is made.

A suggested template can be found at http://www.healthrecoverv.org/safecare/.

Treatment Settings for Substance Use Disorders		
Level of Care	Services Offered	Additional Notes/Perinatal Options
Outpatient	Counseling	Individual or group Facilitated by social workers or mental health/drug and alcohol counselors
	Medication management	Methadone needs to be administered by a federally licensed facility Buprenorphine can only be prescribed by a waivered provider Naltrexone, acamprosate, disulfiram, or medications for smoking cessation can be prescribed by any provider (see SUD4, SUD5)
Intensive Outpatient	Group and Individual Counseling +/- medication	Can be used for direct admission or as a step-down from a higher level of care Can vary in length and frequency of sessions Examples include: Intensive Outpatient program (IOP), Structured Outpatient Addiction Program (SOAP), and Partial Hospital Program (PHP)
Acute Treatment Services (a.k.a. "Detox")	Medically Supervised Withdrawal (Inpatient)	Indicated for physiological dependence on alcohol or benzodiazepines Difficult to access during pregnancy Tapering opioids is not recommended during pregnancy
Short-Term Residential (under 30 days)	Step-down and non- pharmacologic "detox"	Examples include Clinical Stabilization Services (CSS) and Transitional support Services (TSS) or "holding" Some treat co-morbid psychiatric and substance use disorder (dual-diagnosis) and include: Individual, group, family therapy, case management, and linkage to aftercare, medication Some programs admit pregnant women and coordinate with prenatal care providers
Long-term Residential (over 30 days)	Structured group living with supervision and treatment provided by addiction professionals	Examples include 4-6 month recovery homes or "halfway houses", specialized residential programs for women, families and youth Many programs assist with employment, parenting skills, retaining/regaining custody of children Some have enhanced services for pregnant/post-partum women and their infants, which include the coordination of perinatal/pediatric care Individual, group therapy, case management
Involuntary Commitment/ Section 35 (up to 90 days)	Court-ordered treatment for medically supervised withdrawal and step-down services	Family/providers can petition the local court with evidence that the patient is a danger to self/others due to substance use Patient is brought before the judge, who decides if commitment is warranted

Call MCPAP for Moms at: 855-MOM-MCPAP (855-666-6272)

www.mcpapformoms.org

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