Opioid Use Disorder Clinical Pathway

	Antepartum Care (Outpatient)		
U	oon entry into care and identification of substance use in pregnancy (Snuggle ME Checklists)		
	Assess for signs and symptoms of acute withdrawal (Ohio MOMS F.1-F.9)		
	• Early: agitation, anxiety, muscle aches, increased tearing, insomnia, runny nose, sweating, yawning		
	• Late: abdominal cramping, diarrhea, dilated pupils, goose flesh, nausea, vomiting		
	Refer immediately to one of the following for treatment and/or stabilization depending on acuity:		
	Emergency Room		
	Obstetric ER/Triage		
	• Inpatient treatment center		
	Screen for co-morbid psychiatric conditions		
	• If positive refer to Behavioral Health, unless this will be provided by treatment program		
	Screen for co-morbid domestic violence		
	If positive refer to domestic violence advocacy service		
	Complete a detailed medical, surgical, obstetric, and prenatal history		
	Provide a thorough physical examination		
	Assess for other immediate psychosocial needs		
	Obtain recommended lab testing in addition to routine prenatal labs (NNEPQIN checklist) • HIV		
	 HepBsAg, anti-HBcore, HBsAb 		
	Consider immunization as indicated		
	HCV antibody		
	o If positive draw HCV PCR, LFTs		
	Serum creatinine		
	• Consider gamma-glutamyl transferase (GGT) if active alcohol use suspected		
	Assess risk factors for tuberculosis and screen if indicated		
	Urine toxicology with woman's consent.		
	 Synthetic opioids (e.g., buprenorphine, fentanyl, oxycodone) may not be detected with standard drug test and may require more specific testing. Consult with individual lab 		
	Baseline EKG before starting methadone		
	Perform dating ultrasound upon entry to care		

Determine appropriate level of care and arrange referrals to treatment when indicated and accepted by woman (Wright et al, Figure 1) • Assess Risk (Ohio MOMS F.1-F.9) • Refer for medically supervised inpatient detox if alcohol or benzo dependent • If psychiatric or medical instability, refer for appropriate emergency psychiatric or medical care services.	
Give the woman information re. treatment provider/center contact (SAMHSA treatment directory	
 If woman is currently in a treatment program: Obtain appropriate CFR42 Part 2 consent to communicate with treatment provider (Legal Action Center sample consents) Coordinate care with mental health/treatment provider or center Women receiving treatment for chronic pain should have drug agreement in place with treatment provider 	
Provide a "warm" handoff to treatment provider whenever possible	
 Counsel woman on recommended substance use management, risks to pregnancy, fetus, infant and explore treatment options (NNEPQIN toolkit) Recommended treatment for OUD during pregnancy is MAT with buprenorphine or methadone; explore options and arrange appropriate referrals. Recommended management of alcohol use during pregnancy is complete abstinence; explore options and arrange appropriate referrals as needed. Recommended management of marijuana use during pregnancy is abstinence; explore options. 	
Counsel woman regarding risks of tobacco use and offer smoking cessation strategies	
Counsel woman on maternal/fetal/neonatal risks of polysubstance use (SAMHSA Factsheet #6)	
Check the woman's record in state Prescription Monitoring Program	
Be aware of pharmacologic interactions with Buprenorphine/Methadone (McCance-Katz et al, Table 2)	
Discuss Narcan rescue and offer prescription (Narcan toolkit)	
Assess need for bowel regimen for constipation	
Assess need for anti-emetics and antacids for hyperemesis/reflux • Note: avoid Zofran for women on methadone to avoid prolonged QTc interval	
Consultation and Referral considerations may include, but are not limited to: Social Work Case Management Maternal Fetal Medicine if medically complex	

	 Cardiology with prior history of pericarditis Infectious Disease if HIV positive Infectious Disease or Gastroenterology if HCV/HVB Dental Dietary 	
	Schedule short interval follow up for prenatal care	
	ollow-Up Care	
Ш	Reassess and treat for opioid side effects	
	Assess for changes in psychosocial and medical needs	
	Ask about cravings, on-prescribed drug and alcohol use at every visit	
	Provide continued tobacco cessation counseling and treatment for patient who smokes	
	Periodically review PDMP for patient prescription history	
	Repeat urine toxicology with consent when indicated	
	More specific tests may need to be ordered to identify methadone, buprenorphine, fentanyl, other synthetics or alcohol metabolites. Consult individual lab for guidance.	
	Document treatment coordination	
Se	cond and Third Trimester Care	
	Schedule and/or provide second trimester anatomy scan	
	Schedule and/or provide third trimester growth scan	
	Monitor growth with serial assessments as indicated	
	 Antenatal testing only if clinically indicated; e.g., IUGR. (Reddy et al, Box 1) If antenatal testing performed, reduce false positive NST and/or BPP by performing at least 4-6 hours after last treatment dose 	
	Repeat HIV, HCV, RPR, GC/CT in third trimester • Repeat HBsAg if initial testing negative	
	Verify and update MAT medication/dose/status with treatment provider/center prior to birth • Advise woman to bring buprenorphine to hospital admission for safe storage and dose verification	
	Discuss pain management options for labor and birth and assist woman in development of plan • Consider Anesthesiology consult for the woman with high anxiety, difficult IV access, or other co- existing medical issues pertinent to anesthesia	

	Educate woman and support persons importance maternal participation in newborn care/safety, NAS/NOWS, breastfeeding
	 Maternal participation in newborn care (Mommies Toolkit) Options for Rooming in Maternal participation in Eat, Sleep, Console (ESC tool) Encourage skin to skin and breastfeeding (SAMHSA factsheet #11)
	Provide Patient/family education to include: • Hospital policies (SAMHSA Factsheet #7) • NAS/NOWS assessment/management/length of stay • Breastfeeding • Maternal/newborn toxicology and reporting requirements • Signs and symptoms of potential pregnancy complications • Preterm labor • Preterm premature rupture of membranes • Importance of prenatal care • Plan for fetal surveillance • NAS/NOWS assessment/management/length of stay • Maternal/newborn toxicology and reporting • Parenting classes
	Consider prenatal consult appointment with pediatrician/neonatologist at delivering institution
	If delivering hospital is unable to care for infant with NAS/NOWS, discuss antenatal transfer of care versus neonatal transfer after delivery if treatment necessary
	 Provide contraceptive counseling (SAMHSA Factsheet #7) If tubal ligation desired, sign federally required consent for Medicaid patients Offer post-placental IUD insertion or implant prior to discharge, if available at institution.
Ge	eneral Considerations of Methadone MAT in Pregnancy
	 For women on methadone MAT prior to pregnancy, continue current dosing. May need increased dose in 3rd trimester to increase plasma volume.
	Patient/family education (MAT in pregnancy patient education) Risk and benefits of methadone treatment in pregnancy Daily visit requirement at treatment center Insurance coverage and/or cost Incidence of NAS 50-66% Possible effects of newborn head circumference and white matter tracts Conflicting long-term studies on outcomes in children exposed in utero
	Initiation of methadone:

• Start at 10-20 mg and titrate to eliminate withdrawal symptoms without producing intoxication.
General Considerations of Buprenorphine MAT in Pregnancy
If on suboxone prior to pregnancy, can consider continuing suboxone during pregnancy
☐ In order to maintain plasma concentrations above 1ng/mL to prevent withdrawal symptoms, consider frequent dosing (3-4 times per day) (Caritis, S.N. et al)
□ Patient/family education
 Risk and benefits of buprenorphine treatment in pregnancy
Insurance coverage and/or cost
 Higher dropout rate than methadone (33% v. 18%) (MOTHER trial)
Higher relapse rate
 Limited providers with prescription training and authority
• Use with caution with antiretrovirals, antiseizure, dexamethasone, and SSRI medications
☐ Initiation of buprenorphine:
 Note: Little data on appropriate way to initiate dosing during pregnancy
Must be in moderate withdrawal
 Must be at least 12 hours since last dose of short-acting opioid
 Start with 2-4 mg and titrate for relief of withdrawal symptoms
☐ Consider possible "graduation" to monthly prescription as indicated
Inpatient Obstetric Care
If Initial Contact is in Obstetric ED/Triage or L&D
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If Initial Contact is in Obstetric ED/Triage or L&D □ Refer to above "Upon entry into care and identification of substance use in pregnancy" □ Ohio Moms OB.5-OB.8 □ NNEPQIN checklist □ Initiate clinical pathway for acute opiate withdrawal or elective induction to MAT • ASAM buprenorphine course • ASAM Induction Protocol
If Initial Contact is in Obstetric ED/Triage or L&D □ Refer to above "Upon entry into care and identification of substance use in pregnancy" □ Ohio Moms OB.5-OB.8 □ NNEPQIN checklist □ Initiate clinical pathway for acute opiate withdrawal or elective induction to MAT • ASAM buprenorphine course • ASAM Induction Protocol • ASAM Sample Inpatient Nursing Protocol
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Refer to above "Upon entry into care and identification of substance use in pregnancy" Ohio Moms OB.5-OB.8 NNEPQIN checklist Initiate clinical pathway for acute opiate withdrawal or elective induction to MAT • ASAM buprenorphine course ○ ASAM Induction Protocol ○ ASAM Sample Inpatient Nursing Protocol • Miami Valley Protocol example Consider acute withdrawal in DDX of woman with intractable, nausea, vomiting, or abdominal pain Assess for signs and symptoms of placental abruption Admission for Labor and Birth When possible, confirm MAT medication and dose with addiction provider
Refer to above "Upon entry into care and identification of substance use in pregnancy" Ohio Moms OB.5-OB.8 NNEPQIN checklist Initiate clinical pathway for acute opiate withdrawal or elective induction to MAT ASAM buprenorphine course ASAM Induction Protocol ASAM Sample Inpatient Nursing Protocol Miami Valley Protocol example Consider acute withdrawal in DDX of woman with intractable, nausea, vomiting, or abdominal pain Assess for signs and symptoms of placental abruption Admission for Labor and Birth

	Continue buprenorphine/methadone at usual dosing (SAMHSA Factsheet #8)		
	 Consider dividing total daily dose into every 6-8 hour dosing for maximal analgesic effects (ACOG Committee Opinion 711) 		
	Prescribe nicotine replacement as indicated		
	Labs Routine labs for labor and birth Repeat HIV/Hepatitis screening if not repeated in third trimester Urine drug test with consent		
	Notify pediatric provider of admission for delivery and determine need for neonatal team at birth		
	 Consults Neonatology consult if not previously done Social work/Care management Anesthesiology Lactation If illicit substance use first disclosed at time of birth, consider consultation with addiction specialist or phone consultation with addiction specialist/center, or MFM. 		
	Offer immediate postpartum long-acting contraception as provided by facility (ACOG Committee Opinion #670)		
	Involve the woman, social work, and pediatrics/neonatology to establish a Plan of Safe Care. (ACOG District II Slides 31-32)		
Pe	ripartum Pain Management (Ohio MOMS Pain Management Protocol)		
	 General Considerations: (Zhou Pain Management Presentation) Maintenance medication does not treat pain Women using MAT or with history of long term opioid exposure may require higher and more frequent dosing of narcotic medications for intrapartum and postpartum pain Opioid dependent women have increased sensitivity to painful stimuli (hyperalgesia) Opioids dependent women experience tolerance to opioid treatment for analgesia Higher doses of full opioid agonists will be required to displace buprenorphine and provide analgesia 		
	Pharmacologic interactions • Avoid partial agonist/antagonists in treating pain (i.e., nalbuphine or butorphanol)		
	Neuraxial analgesia is preferred for cesarean birth or other procedures • If general anesthesia is necessary, be aware of increased risk of airway compromise or drug interactions with concomitant use of stimulants		

In	trapartum (Executive Summary on Opioid Use in Pregnancy Box 2)		
	Educate L&D and postpartum staff on opioid pharmacology and appropriate pain control		
	Provide continuous labor support during active labor		
	• 1:1 staffing		
	Consider Doula services if available		
	Avoid fetal scalp electrodes in women with HIV or HCV		
	Recommend early labor neuraxial anesthesia with continuous dosing to provide pain relief for labor and birth		
	• Epidural analgesia using opioids (e.g. fentanyl) in usual labor doses may not be effective in opioid dependent patients.		
	• May be necessary to use higher doses of local anesthetics or nonopioid adjuvants such as clonidine		
	• If neuraxial anesthesia is not feasible or available, consider the following:		
	Nitrous oxide		
	O Short acting opioids		
	 Do not use nalbuphine or butorphanol for analgesia or pruritis as these can precipitate withdrawal 		
	 If withdrawal inadvertently precipitated, withdrawal symptoms can be 		
	reversed with full agonists or for those in treatment with buprenorphine a 2-4		
	mg dose (confirm with current ASAM buprenorphine recommendations/		
	course slides)		
Po	ostpartum Care <u>(Reddy et al)</u>		
	Vaginal birth pain management		
	Consider scheduled doses of NSAIDs and acetaminophen rather than prn dosing		
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- If somnolent, decrease pain medication dose or consult the addiction treatment provider to adjust dose of MAT
- Provide close follow-up
- Prescribe limited quantities
- Taper rapidly transitioning for non-opioid options

	 Consider avoiding triggering opioids with "high likeability" (e.g., oxycodone) and instead use oral morphine or hydrocodone. 	
Po	ostpartum Support	
	If the woman desires to breast feed, provide lactation consultation and breast feeding support (SAMHSA Factsheet #11)	
	Provide patient and family education to include: Caring for NAS babies (Stronger Together video) Signs and symptoms of newborn withdrawal Comfort care measures Maternal care needs Signs and symptoms of postpartum depression When to notify a provider (obstetric and newborn)	
	If on methadone, monitor for increased somnolence and contact treatment provider if dose decrease appears necessary.	
Di	ischarge Planning (SAMHSA factsheet #15)	
	Avoid postpartum discontinuation of treatment due to increased relapse rates for SUD after delivery	
	Coordinate hospital discharge with addiction treatment provider/center and release planned so treatment can continue after discharge without interruption	
	Provide contraception counseling and determine contraception plan	
	Offer option to receive postpartum LARC if not already provided	
	Develop Plan of Safe Care	
	• Engage woman, care coordination, and pediatric/neonatal team to define plan of safe care.	
	Determine discharge pain management plan	
	Maximize NSAIDs and nonpharmacologic measures	
	If opioids are required at discharge, prescribe only the quantity likely to be used	
	Ensure that plan for postpartum MAT is in place	
	Schedule for more frequent postpartum visits with first postpartum visit within 1-2 weeks.	
\Box	Safe storage of medications	

Postpartum care (Outpatient)		
Close postpartum follow-up with frequent visits		
Rescreen and brief intervention for return to substance use (SAMHSA Factsheet #16)		
Provide postpartum depression screening		
Monitor for relapse		
Screen for intimate partner violence at 6 weeks and whenever indicated		
Provide smoking cessation reinforcement or continued cessation counseling as indicated.		
Consider providing support services for longer than the traditional 6-week postpartum period		
Assess resource needs at each visit and coordinate with case worker/social service providers		
Assist the woman in scheduling appointments for infectious disease management as indicated		
Facilitate transition for recovery-friendly primary care provider if not previously established		
If breast feeding, provide support		
Provide contraception and counsel on birth spacing if immediate postpartum LARC not used		

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Checklist Chart Template

Element	Date	Comments
Federal consent to share information with		
treatment provider		
HIV status		
HBsAg, HBcAb, HBsAb		
Hepatitis C antibody		
HCV viral load and genotype		
(if indicated)		
Hepatic Function Panel		
Serum Creatinine		
Institutional drug testing policy reviewed		
Plan of Safe Care introduced		
Behavioral Health		
Needs assessment / Care Management		
referral		
Risks of non-prescribed drugs and alcohol		
discussed		
Marijuana counseling		
Tobacco counseling/treatment		
Narcan discussed /offered		
Offer Hepatitis A or A/B vaccine		
Third Trimester		
Repeat HIV, HBsAg, HCVAb, GC/CT		
Ultrasound (growth/fluid)		
Urine toxicology with confirmation,		
(consent required)		
Ethyl glucuronide/ethyl sulfate (alcohol		
metabolites)		
Third trimester education		
Review Plan of Safe Care		
Review institutional drug testing policy		
NAS/newborn care		
Breastfeeding		
Pain management		
Family Planning		
Pediatrician identified		
Repeat Hepatitis A or A/B vaccine		
OTHER		
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