The POWER

RECOVERY LIVING

//// Dartmouth-Hitchcock

MEDICAL CENTER

Treating Substance Use During Pregnancy:

Applying principles of co-design and coproduction to improve outcomes

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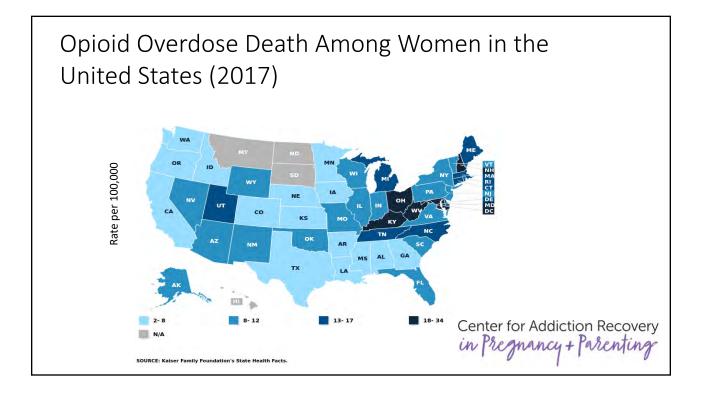
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Agenda

- Briefly explore the consequences of the current opioid crisis for women and their infants in New Hampshire
- Identify barriers to treatment for pregnant women
- Describe the development of Dartmouth-Hitchcock's Moms in Recovery program in Lebanon
- Explain mechanisms through which patient needs and experiences can shape the delivery of substance use treatment services



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Causes of Maternal Mortality in New Hampshire (2016- 2017)

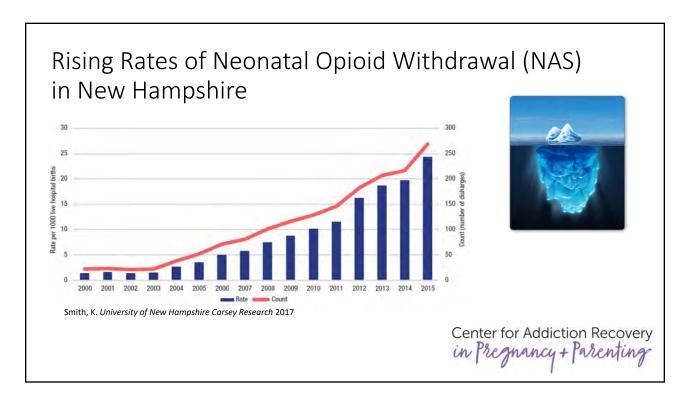
During this time period, **12** maternal deaths occurred during pregnancy or within the postpartum year

- **11**/12 deaths occurred postpartum
- 8/12 were covered by Medicaid
- **11**/12 had a documented mental health diagnoses

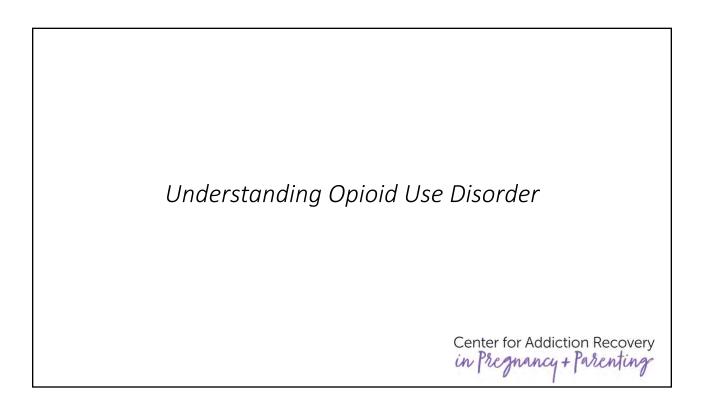
The leading cause of death was accidental drug overdose

- 6/12 deaths were caused by opioid overdose
- An additional **3** women died of other causes related to substance abuse
- Every one of these deaths was preventable

Department of Health and Human Services. 2019. Annual Report on Maternal Mortality to New Hampshire Health and Human Services Oversight Committee Calendar Year 2016-2017.







"Addiction is a primary, chronic disease of brain reward, motivation, memory and related circuitry. ... Without treatment or engagement in recovery activities, addiction is progressive and can result in disability or premature death."

- (American Society of Addiction Medicine, 2011)
- Over time, a person's brain accommodates to the presence of opioids
- Dependence occurs when the central brain no longer functions normally without opioids
- A Use Disorder develops when a change occurs in the way the brain's reward pathway works



Image: National Institute on Drug Abuse

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Criteria for Opioid Use Disorder (DSM-5) A maladaptive pattern of opioid use for >12 months meeting at least two criteria More use than intended · Unsuccessful efforts to quit Significant time spent in procurement, use, recovery · Activities (occupational, social etc.) given up Continued use in the face of adverse health effects Recurrent interpersonal problems from use · Use under dangerous conditions Craving Failure to live up to obligations Tolerance (not relevant if taken for pain control or with medical supervision) Withdrawal Physiological dependence is not the same as having a substance use disorder (American Psychiatric Association, Diagnostic and Statistical Manual of Mental Disorders [DSM-5], 2013) Center for Addiction Recovery in Pregnancy + Parenting

Consequences (from the Medical Perspective)

Medical/Obstetric

Psychiatric

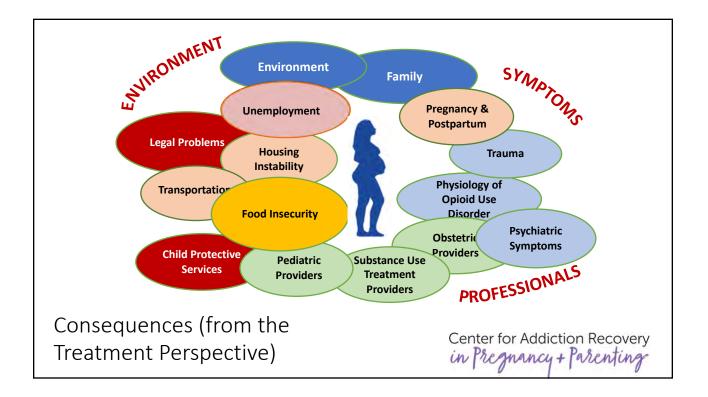
- Infectious disease
 - STIs
 - HCV & HBV, occasionally HIV
- Abscess
- Endocarditis
- Deep vein thrombosis
- Stroke
- Bleeding/Abruption
- Fetal loss
- Overdose

- Anxiety
- PTSD
- Depression
- Substance-related psychosis
- Stimulant use disorder
- Tobacco use disorder

Neonatal

- IUGR/LBW
- Prematurity
- NAS/NOWS

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How we perceive a human condition changes how we respond to it, and in turn, changes the outcome When we perceive addiction to be a choice or a moral failing, people who struggle with addiction are seen as bad people who should be punished.

When we perceive addiction to be a disease, people who struggle with addiction are understood to be people who can be treated and recover.

Stigma

A mark of disgrace associated with a particular circumstance, quality or person mom@ homeless jomg oh.s.j.j.need god.j.j.need god.j.j.need bgod.j.j.need bgod.j.need b

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Destigmatize

To *remove* associations of shame or disgrace



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Which Kind of Care Do We Want to Provide?

Glass half empty	Glass half full
Deficit-based Language	Strength/ Recovery Oriented
Substance abuser	Person with an addiction to substances
Suffering from	Working to recover from
Acting out	Ineffective communication
Non compliant with medications/treatment	Prefers alternative coping strategies
Frequent Flyer	Takes advantage of services/supports as necessary Seeks medical care when needed
Helpless and hopeless	Unaware of capabilities/ unaware of opportunities
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More examples	
Deficit-based Language	Strength/Recovery Oriented
Addict, junkie	Person with a substance use disorder
Clean, dirty (for person)	Using substance or abstinent from substance
Clean, dirty (for urine drug screen)	Positive or negative for a substance
Clean, dirty (syringe)	New or used
Abuse (of substance)	Harm use, risky use, misuse
Narcotic	Opioid
Replacement or substitution therapy	Medication for OUD: a tool for recovery
Habit or drug habit	Substance use disorder
https://www.samhsa.gov/capt/tools-learning-resources/sud-stigma-tool	



- Ask with compassion
- Listen with empathy
- Build trust and rapport
- Support each other
- · Connect to additional resources
- Continuity of care when possible



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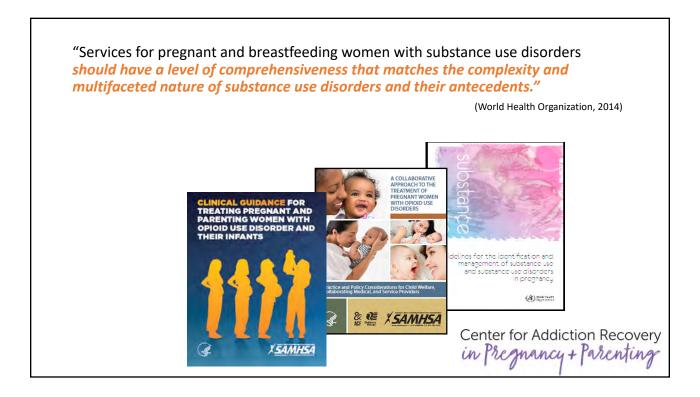


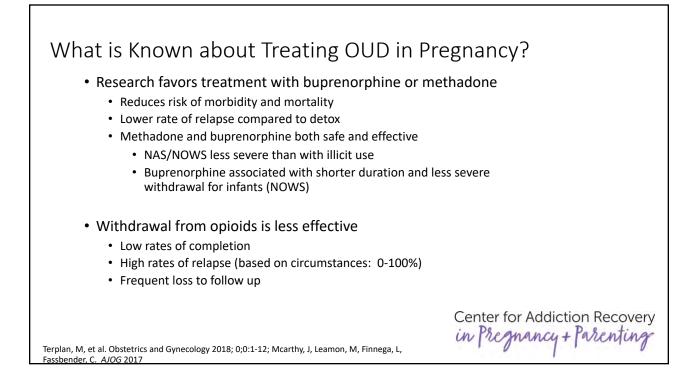
Treating OUD During Pregnancy

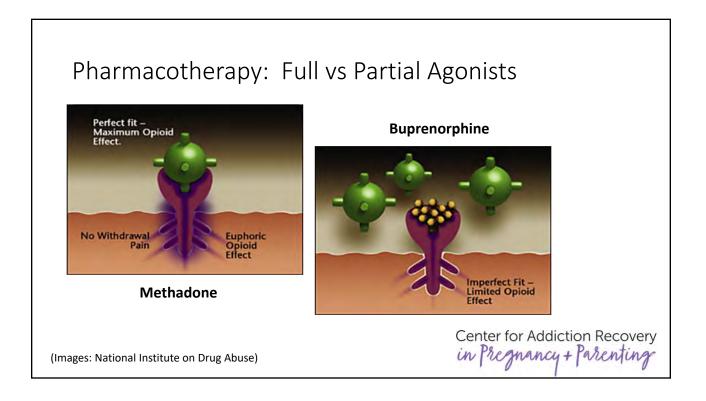
"She [the baby] changed everything..."

-Research Participant (Goodman, Saunders, Wolff, manuscript under review)

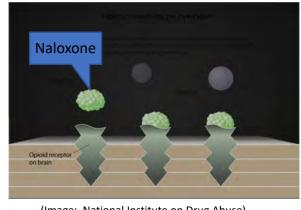
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Pharmacotherapy: Opioid Antagonists



(Image: National Institute on Drug Abuse)

Naloxone

Overdose reversal

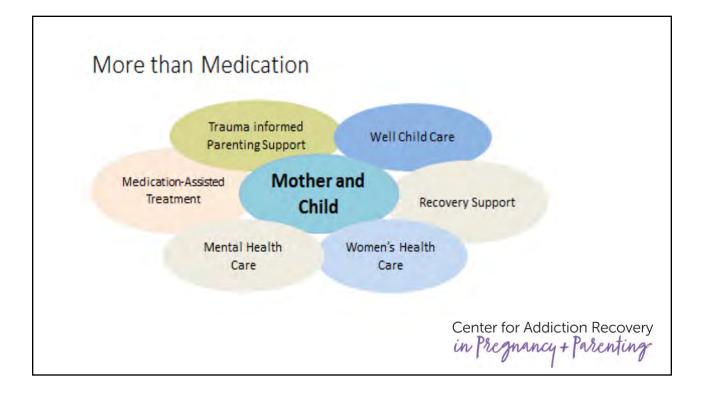
- Intranasal
- Auto-injector

Naltrexone

Treatment

- Oral
- Long acting injectable
- Not recommended during pregnancy or lactation

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Opportunity

"I mean, just finding out that I was pregnant did give me hope. And once he [partner] found out as well that I was pregnant, he really, he got quiet. ...Because this is not the way we can live. We're living very, very harmfully."

(Goodman, Saunders, Wolff, manuscript under review)

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Integrated Treatment for Pregnant and Parenting Women: *Increasing Access and Continuity*

- Women are highly motivated by pregnancy
- · Integrated care facilitates timely treatment
- · Decreases stigma since treatment is associated with prenatal care program
- Facilitates care for medical and psychiatric comorbidities
- · Enhanced opportunity for case management

Milligan, ANiccols A, Sword W, et al. Subst Abuse Treat Prev Policy. 2010; 5; 21; Lefebvre, L, Midmer, A, Boyd, S. et al.. JOGNN. 2010; Ordean A, Kahan M, Graves L, et al. Can Fam Physician. 2013;59(10)

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Access is Critical

"When I made my [first] appointment, I said 'I'm pregnant, I'm an addict, will you take me?' It was actually a huge relief"

-Research Participant (Goodman, Saunders, Wolff, manuscript under review)

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Dartmouth-Hitchcock Moms in Recovery



- Affiliated network cares for over 30% of pregnancies in NH at the medical Center and 4 communitybased practices
- The rate of opioid-affected pregnancy ranges from 5-8% across the D-H service line

- Collaborative program launched by Psychiatry and Ob/Gyn
- Prior to 2013, no maternity-focused outpatient substance use treatment existed in the D-H service area
- The program has served close to 150 pregnant and parenting women since then



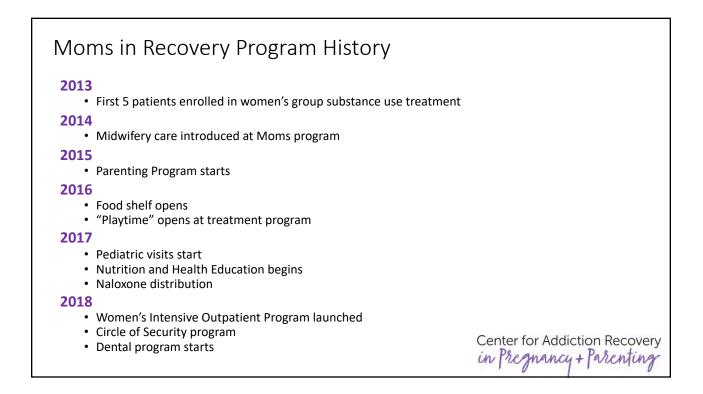
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Harm Reduction Strategies

"From my prenatal care and my people on the street I heard about Suboxone...I switched myself onto it until I could get into a program. I thought it would be better because even though they are both prescriptions, one is prescribed for a woman who is pregnant and the other is not advised for a woman who is pregnant, so I kind of played my own doctor"

(Goodman, Saunders, Wolff, manuscript under review)

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Program Goals

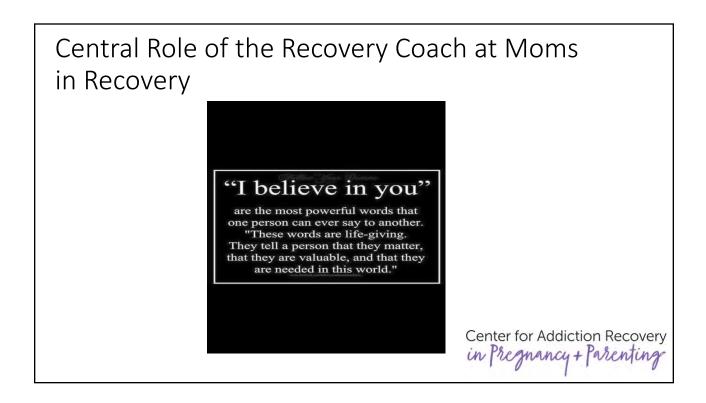
- Increase access to substance use treatment and comprehensive behavioral health care for pregnant and parenting women
- Increase the number of parenting women in sustained recovery by providing needed services, including early childhood intervention, access to housing, and other supports
- Improve outcomes for women with substance use disorders and their children
- Work with our patients and across disciplines to develop a new model of care for pregnant and parenting women with SUD

Clinical Services

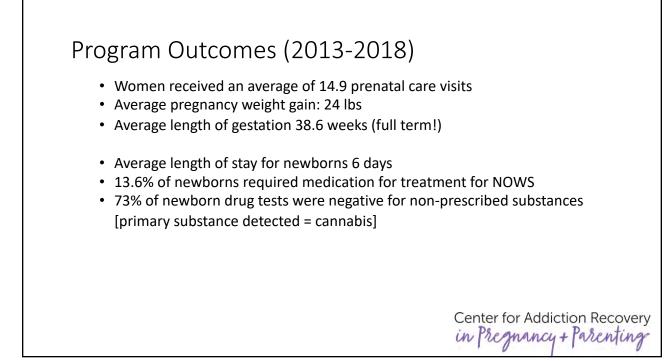
- Three levels of care, all centered around group therapy
 - Intensive Outpatient (3 hours per day, 3 days per week)
 - Outpatient (1-2 hours per day, 1-2 days per week)
 - Maintenance (1-2 hours per day, 1-2 days per month)
- Recovery Coach Support
- Medication for OUD with buprenorphine/naloxone
- Perinatal psychiatric evaluation and treatment for co-occurring disorders
- Prenatal, postpartum and well-woman care
- Pediatric care
- All services are offered concurrently in a single location

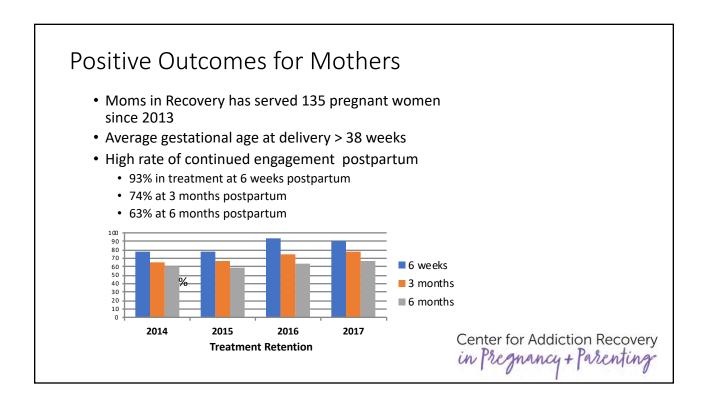
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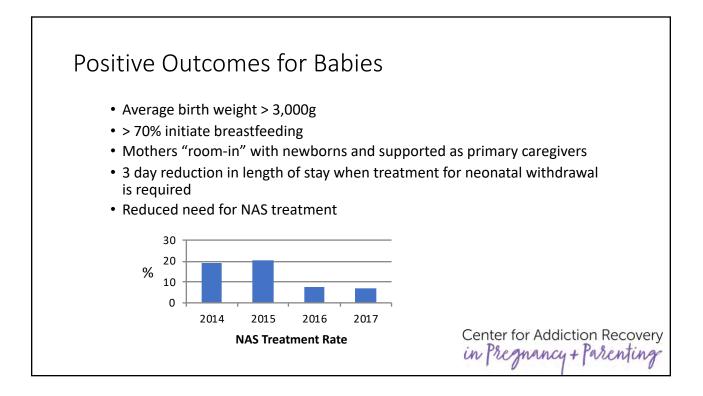
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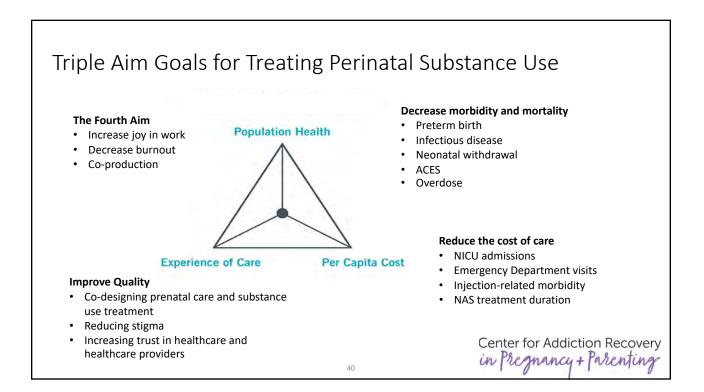












An Example of Co-production in Action: Developing Nutritional Support at Moms in Recovery



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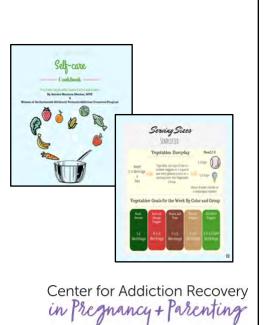
Co-planning Nutrition is critically important during pregnancy to support healthy fetal development • People who use drugs often suffer from nutritional deficiencies, particularly vitamins and iron Nausea and constipation are common side effects of **USDA Recommendations** treatment medications for Pregnant Women We invited women to a focus group to discuss barriers to eating healthy foods Not knowing what is healthy Not knowing how to cook Confusion about which foods are covered under WIC No money for food and no place to cook it Center for Addiction Recovery in Pregnancy + Parenting

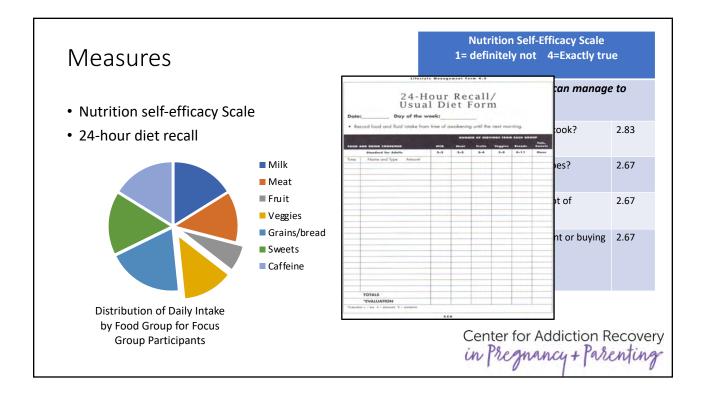
https://www.choosemyplate.gov/nutritional-needs-during-pregnancy

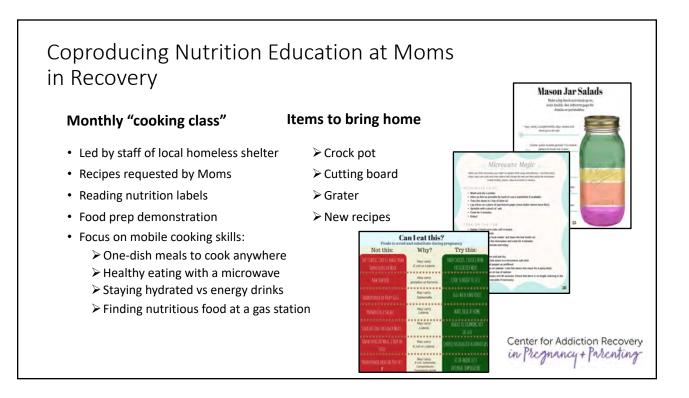
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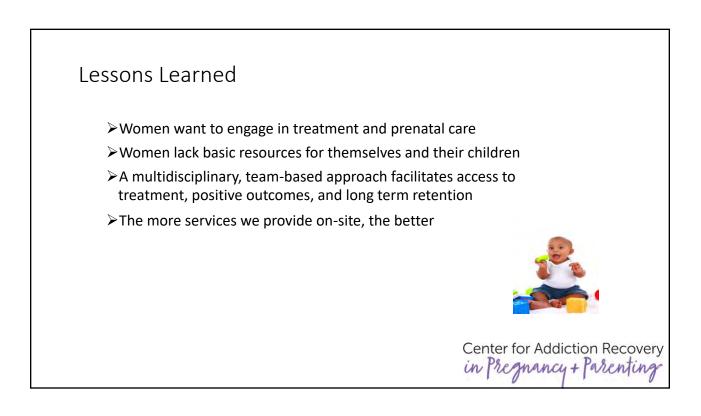
Co-Design: A Self-Care Cookbook

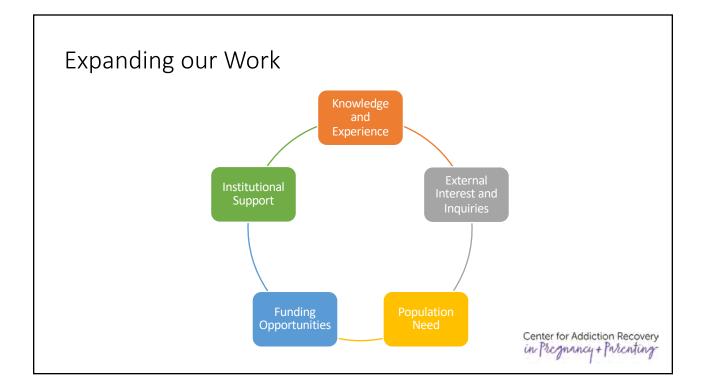
- Participants identified a cookbook as their preferred way to learn about nutrition
- The Self-Care Cookbook was co-designed by two Moms in Recovery participants, working with a student from The Dartmouth Institute
- Feedback about content was elicited from the larger group
- The cookbook uses ingredients available from the food shelf at the Moms program and options that were easy to cook or didn't require cooking

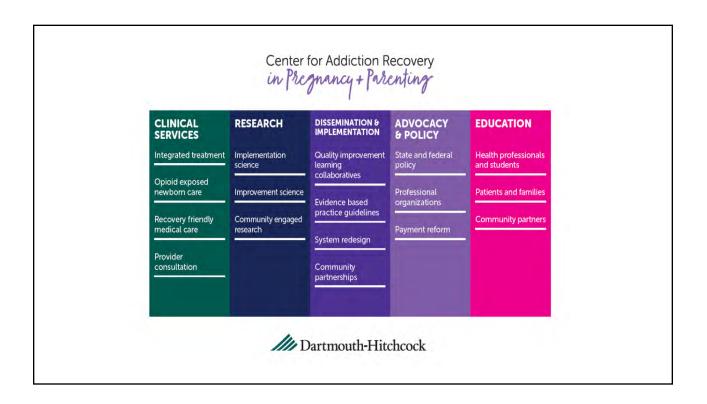








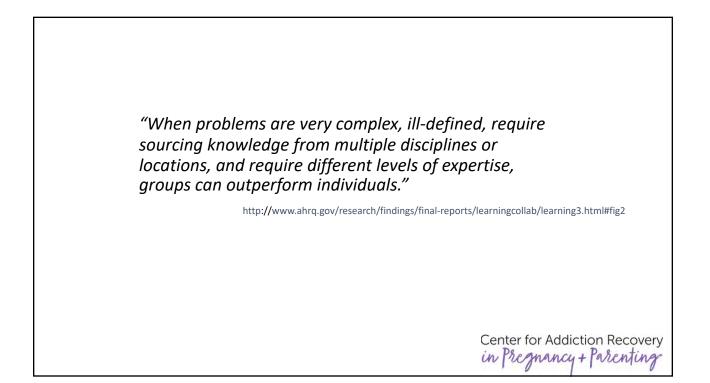




Summary

- Pregnancy represents a unique opportunity to transform outcomes for families
- Many factors complicate treatment of perinatal substance uselistening to our patients and codesigning care is essential!
- Moms in Recovery is a patient-centered model which strives to meet the complex needs of women and families
- Program outcomes demonstrate the value added by enhanced services that are patient-driven and relevant
- Health policy should focus on maximizing treatment access and case management at the point of care

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