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EMPOWER: A Community-Based Approach to Improve Care for Women and Newborns Affected by Perinatal Substance Use Disorder

Linda Jablonski Baystate Health

Et al.

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Welcome to the Webinar

EMPOWER: A Community-Based Approach to Improve Care for Women and Newborns Affected by Perinatal Substance Use Disorder

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Your Webinar Host



Susan Halpin
susan.halpin@umassmed.edu
NNLM NER,
Education & Outreach Coordinator
University of Massachusetts
Medical School
Worcester, Massachusetts



About the National Library of Medicine



Physical library is Bethesda, MD part of the NIH campus.

Largest biomedical library in the world

One of the federal government's largest providers of digital content

The library is open to everyone

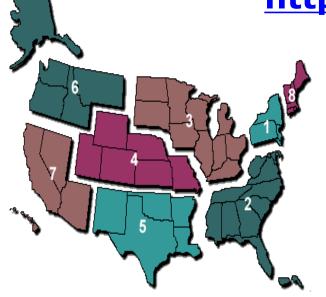
Mission

Advance the progress of medicine and improve public health by making biomedical information accessible to everyone.



NLM Carries Out its Mission Through The National Network of Libraries of Medicine





- Nationwide network of health sciences libraries, public libraries & information centers
- Each region has a partnership with a regional medical library
- Outreach provided through

Free access to online health & medical resources
Free Training & Professional Development
Grant funding opportunities available for your community



Substance Use Disorder Resources from the National Library of Medicine (Updated 5.3.18)

- Opiate Addiction and Treatment Information Guide https://sis.nlm.nih.gov/enviro/addiction.html
- Disaster Lit® search of opioid guidelines, reports, factsheets, etc., including:
 - Fentanyl Safety Recommendations for First Responders https://disasterlit.nlm.nih.gov/record/16121
 - How HIPAA Allows Doctors to Respond to the Opioid Crisis https://disasterlit.nlm.nih.gov/record/16093
 - Preventing Opioid Misuse in the States and Territories: A Public Health Framework for Cross-Sector - Leadership https://disasterlit.nlm.nih.gov/record/15995
- MedlinePlus Opioid Abuse and Addiction https://medlineplus.gov/opioidabuseandaddiction.html
 Abuso y adicción de opioids https://medlineplus.gov/spanish/opioidabuseandaddiction.html
- HealthReach <u>low-literacy patient materials about opioids</u>, <u>opioid addiction</u>, <u>and opioid treatment</u> (includes documents, videos, and audio)

PHPartners Information Access for the Public Health Workforce https://phpartners.org/

PHP Partners aggregates a lot of public health news, some of it involving substance misuse from a public health point of view,

http://www.pewtrusts.org/en/multimedia/audio/2017/treating-the-opioid-epidemic.

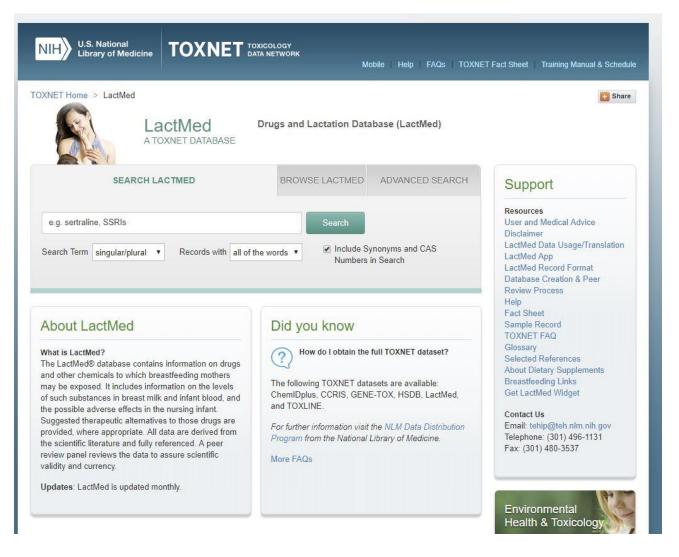
Partnership for Drug-Free Kids

Heroin, Fentanyl & Other Opioids – A Comprehensive Resource for Families with a Teen or Young Adult Struggling with Opioid Use - https://bit.ly/2vb60nm



LactMed

https://www.toxnet.nlm.nih.gov/newtoxnet/lactmed.htm



Graphic Medicine Book Club Kit



nnlm.gov/ner/kits

Graphic medicine is the combination of comics and healthcare. Comics help with understanding illness and health.



health comic

These kits are available to any organization in New England for free.













2. You recieve a kit in the mail

Kits include:

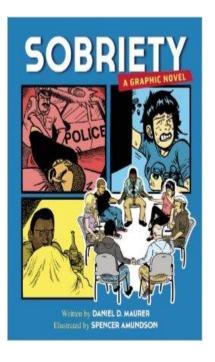
6 Graphic Novels Discussion guides with questions Valuable NLM resources on the selected topic



3. Read and learn together!



Offering programming on addiction and recovery? Consider borrowing one of our Graphic Medicine Book Club Kits featuring Sobriety: A Graphic Novel!



rich illustration and narrative, Sobriety: A Graphic Novel offers an inside look into recovery from the perspectives of five Twelve Step group members, each with a unique set of addictions, philosophies, struggles, and successes while working the Steps."

To Request a Kit: www.nnlm.gov/ner/kits

For Questions or Further Information, Contact Sarah Levin-Lederer at Sarah.LevinLederer@umassmed.edu



Your Webinar Presenter



Linda Jablonski, RNC, MSN

Assistant Nurse Manager, The Birthplace,
Baystate Medical Center
Co-Chair Franklin County Perinatal Support Coalition

EMPOWER

A Community-Based Approach to Improve Care for Women and Newborns Affected by Perinatal Substance Use Disorder



Linda Jablonski RNC, MSN
Assistant Nurse Manager, The Birthplace;
Co-Chair Franklin County Perinatal Support Coalition

Disclosures

I have no actual or potential conflict of interest in relation to this program/ presentation



Objectives

Participants will:

- Recognize how prenatal opioid exposure affects the health and wellness of women and their newborns.
- Identify effective strategies to address barriers to care for women and newborns affected by Perinatal Substance Use Disorder and Neonatal Abstinence Syndrome
- Understand the benefits of utilizing a comprehensive, community based approach to improve outcomes.



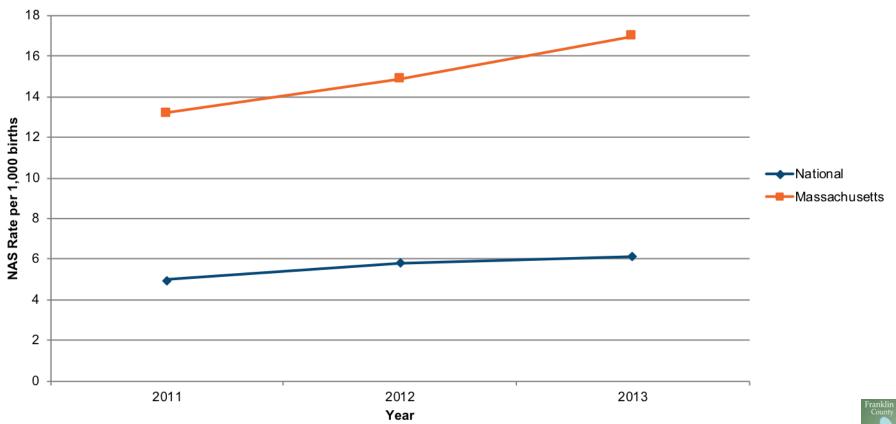
Terminology

- **SUD** Substance Use Disorder
- SEN Substance Exposed Newborn
- NAS Neonatal Abstinence Syndrome
- MAT Medication Assisted Treatment



Perinatal Substance Use

National vs. Massachusetts trends in NAS births (2011-2013)



Source: HPC analysis of Center for Health Information and Analysis, Inpatient Discharge Database 2011-2015 Notes: NAS discharges were identified using ICD-9-CM diagnosis code 779.5 (drug withdrawal syndrome in a newborn).

Perinatal Substance Use

Risks to Mother:

- Miscarriage
- Limited Prenatal Care
- Preterm birth
- Placental abruption

Risks to Baby

- Growth Restriction
- Low birth weight
- NAS
- Potential long term effects



Medication Assisted Treatment

- ACOG Recommendation
- Stabilizes serum opioid levels
- Reducing harm to fetus
- Reduction in illicit drug use
- Reduces risk of infectious disease
- Relapse prevention
- Adherence to prenatal care
- Improved neonatal outcomes
- In combination with behavioral therapy







Substance Abuse and Mental Health Administration. Clinical Guidance for Treating Pregnant and Parenting Women With Opioid Use Disorder and Their Infants. HHS Publication No. (SMA) 18-5054. Rockville JD: SAMHSA, 2018

Neonatal Abstinence Syndrome

- SEN vs NAS
- Symptoms
- Diagnosis
- Treatment
- NAS Ø Addiction



Prior, J. et.al 2015, "The Opioid Epidemic and Neonatal Abstinence Syndrome A review of the Continuum of care" ArchDis Child Fetal Neonatal ED Doi:10.1136/archdischild-2015-310045

Neonatal Abstinence Syndrome

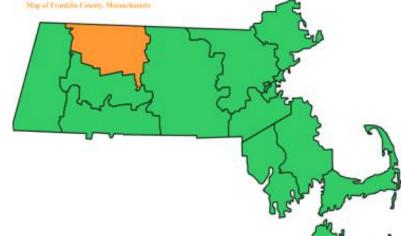
- Breastfeeding
- Nonpharmacologic treatment
- Long TermOutcomes

Logan, B, Brown, M, Hayes, M. 2013 "Neonatal Abstinence Syndrome: Treatment and Pediatric Outcomes. Clinical Obstetrics and Gynecology Volume 56, Number 1, 186-192.



Our Community





450 deliveries a year 91% White 5% Hispanic 50% Mass Health Community Involvement





Our Mission



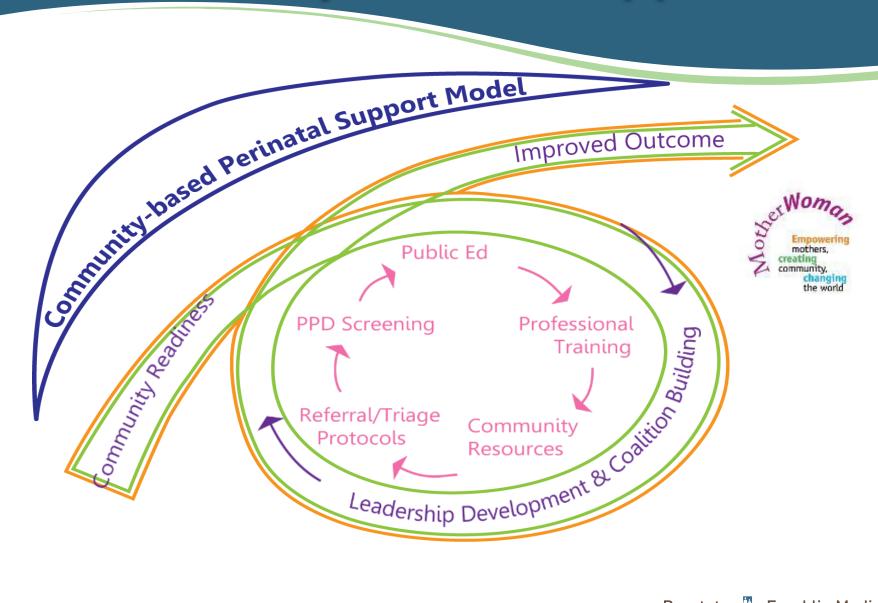
"To systematically evaluate and implement measures to improve the quality, safety and effectiveness of nursing practice for women and newborns."



"To create a comprehensive safety net for all mothers during the perinatal period in order to support optimal perinatal emotional health."

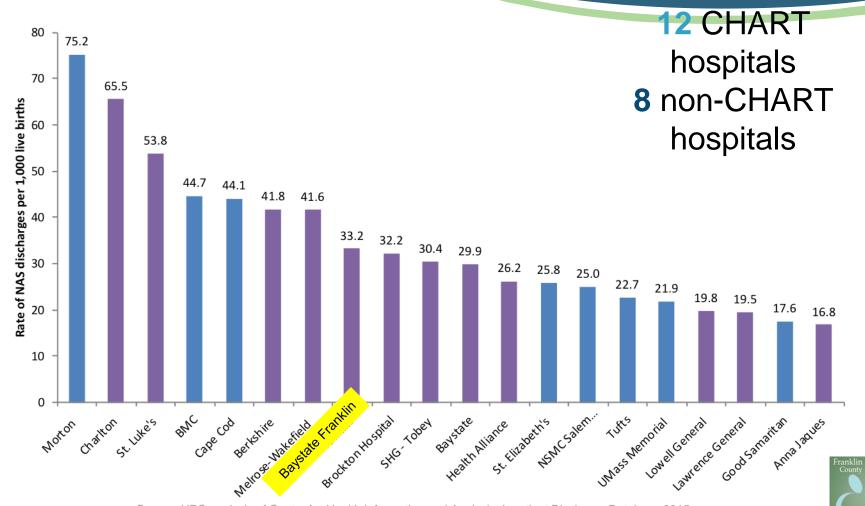


Community Based Support Model





MA hospitals with highest rate of NAS in 2015

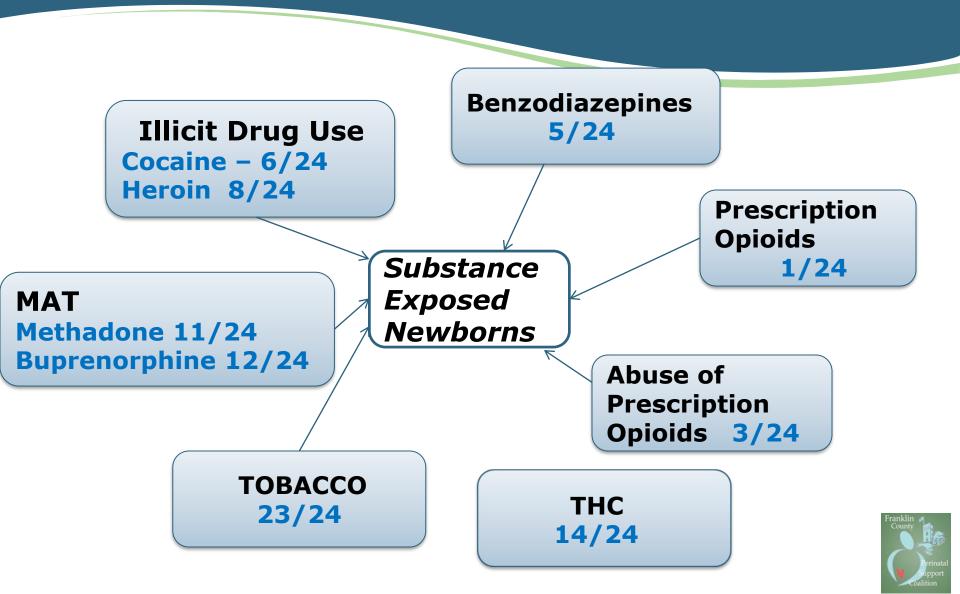


Source: HPC analysis of Center for Health Information and Analysis, Inpatient Discharge Database 2015

Notes: NAS discharges were identified using ICD-9-CM diagnosis code 779.5 (drug withdrawal syndrome in a newborn). Only includes hospitals with 12 or more NAS discharges.

Baystate Franklin Medical Center

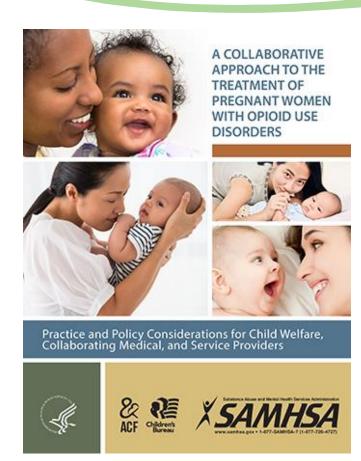
Intrauterine Substance Exposure



Collaborative Approach

Best Practice

- Coordinated,Multisystem approach
- Collaborative planning
- Service implementation
- Advance planning for safe care
- Comprehensive Framework





Our Approach

Address barriers to care:

Individual barriers

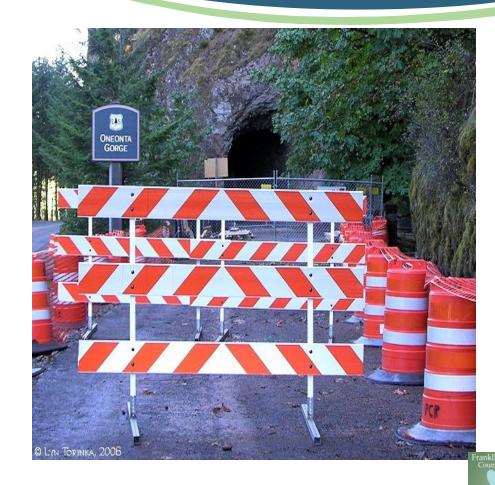
- Decrease Stigma
- Improve access to care
- Recovery Support

Provider Barriers

- Training
- Screening and Referral
- Standardized protocols

System Barriers

- Care Coordination
- Communication



Individual Barriers

- Addiction
- Co-Existing Mental Health Diagnosis
 - AnxietyDepression
 - ADHD
- Fear and Stigma
- Guilt and Shame
- Family History
- PTSD
- Economic Insecurity

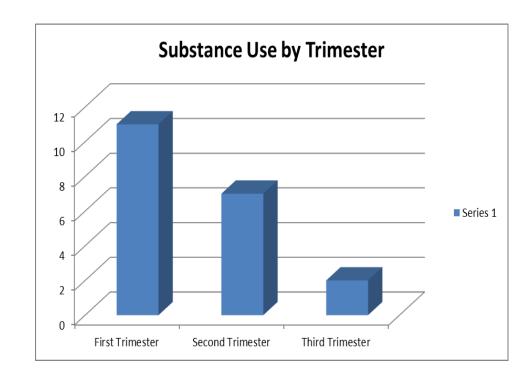


Baystate Franklin Medical Center

Pregnancy as Motivation

Motivation: Seek Treatment Intensify Treatment

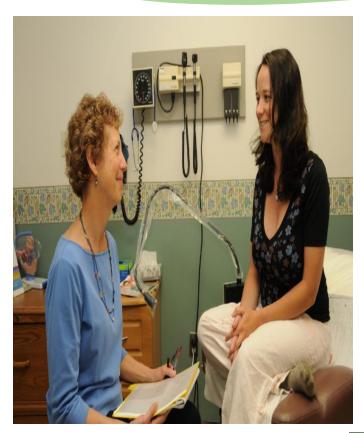
 80% decrease in use from 1st trimester to 3rd trimester





Provider Barriers

- Training Needs
 - SUD, Addiction
 - Trauma Informed
 Care
 - SBIRT
- Screening Tool
- Referral Process
- Protocols
- Work Flow
- EMR
- Reimbursement





Systems Barriers to Care

- Silos
- Competition
- Lack of Referral System
- Collaboration
- Coordination
- Communication
- Release of Information





Our Coalition Partners









a children's trust program



















the salasin center

Greenfield Women's Resource Center & The Family United Network













Baystate Medical Practices

PIONEER WOMEN'S HEALTH







Access • Opportunity • Community





EARLY CHILDHOOD MENTAL HEALTH ROUNDTABLE
OF FRANKLIN AND HAMPSHIRE COUNTIES

Baystate 📠 Franklin Medical Center



Our Solution: EMPOWER

Engaging Mothers for **P**ositive **O**utcomes **W**ith **E**arly Referrals





Overcoming Provider Barriers:

Health Survey

Our health can be affected by emotional problems, alcohol, tobacco, drug use, and violence. Our health may also be affected when those same problems are present in people close to us. Please take the time to consider the following questions carefully.

	Yes	No
Do any of your parents have a problem with alcohol or other drug use?		-
Do any of your friends have a problem with alcohol or other drug use?		
Does your partner have a problem with alcohol or other drug use?		
In the past, have you had difficulties in your life due to alcohol or other drugs, including prescription medications?		
If yes, please list any substances that apply.	•	•
Have you smoked in the past <i>3 months</i> ?		
If yes, what have you smoked?		<u> </u>
How much do you smoke each day?		
<i>In the past month,</i> Did you drink any alcohol or use any drugs?		
If so, please list the alcohol or substance used.		
If so, how many days per month?		
How many drinks do you have on any given day?		



Overcoming Provider Barriers:

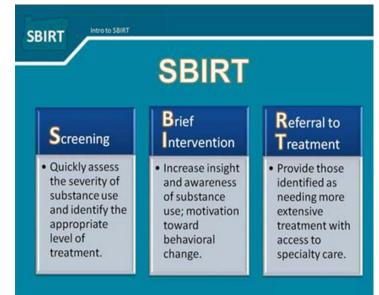
Screening Question	Provider Response	Pt Education	Resources to offer
Smoked Cigarettes in the past 3 months	State medical concern Assess current use, readiness for change.	Encourage cessation and counsel that decreasing the # of cigarettes is also beneficial Handouts: Mother to Baby Fact Sheet: Cigarette Smoking and Pregnancy	Resources on handout: Handout: "Every Woman Wants a Healthy Baby" Mass Smoker's Helpline: 1-800-784-8669. Make smoking history: www.makesmokinghistory.org www.helppregnantsmokersquit.org
Parents/Friends/ Partner with Alcohol use	Review current risk, Assess impact on current pregnancy & support system	Review importance of network of support, addressing stress acknowledging trauma, connecting with resources.	Al Anon handout To Find Local meetings in Northampton, Amherst, Greenfield call: 413-548-5589 http://www.valleyalanon.org/ Local Resources: LEARN TO COPE – a support group for people with family members that are addicted to opiates, alcohol or other drugs Call 508-738-5148 www.learn2Cope.org Other support groups available locally – RECOVER Project Flyer 774-5489
Parents/ Friends/ Partner with Drug Use	Review current risk, Assess impact on current pregnancy & support system	Review importance of network of support, addressing stress acknowledging trauma, connecting with resources.	Local Resource: LEARN TO COPE – a support group for people with family members that are addicted to opiates, alcohol or other drugs Call 508-738-5148 www.learn2Cope.org Other support groups available locally – RECOVER Project Flyer 774-5489 Narcotics Anonymous support groups – search on-line for locations: http://www.nerna.org/meetings/search/area; http://www.nar-anon.org/find-a-meeting/#groupspublic/?view_7_page=1
Pt with past alcohol / drug/ use/ abuse (Currently in Medication Assisted Treatment: Methadone, Buprenorphine)	Acknowledge her success and good decision to keep herself and her baby healthy	Promote regular prenatal care, importance of staying in MAT Handout: "Every Woman Wants a Healthy Baby"	Schedule Pregnancy Plan visit with Linda Jablonski (Handout) Review Franklin County Resource and Referral Guide for local referral options Local Resources: RECOVER Project Flyer 774- 5489 (Support groups, Nurturing Families classes available)

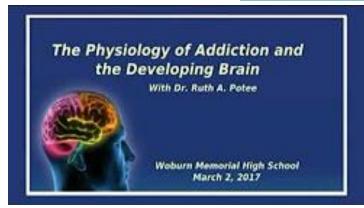
Overcoming Provider Barriers:

<u>Training</u>

- SU & PSU
- Motivational Interviewing
- SBIRT
- Trauma Informed Care
- Buprenorphine
 Certification









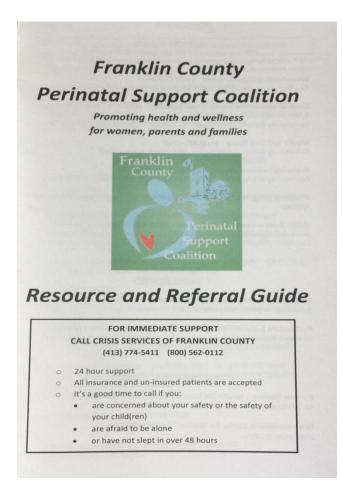
Overcoming System Barriers

- Community
 Conversation
- Collaboration
- Monthly Meetings
- Case Studies
- Trainings
- Relationships





Overcoming System Barriers

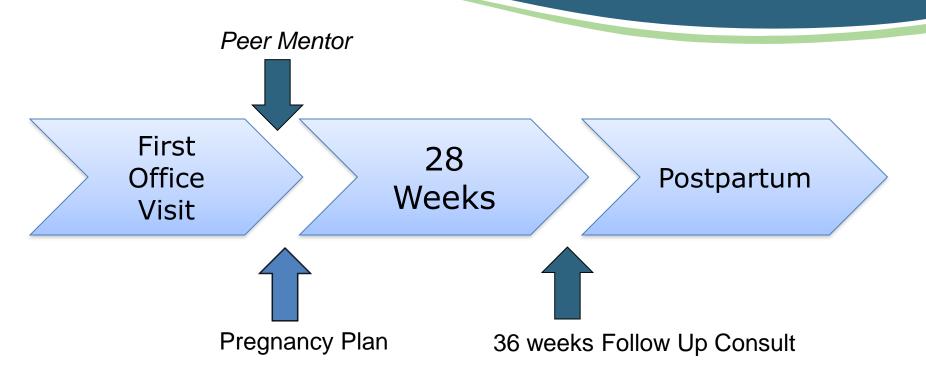


Recovery Coach





Screening Timeline



2012 Circular Letter 13-5-586 Commonwealth of Massachusetts Department of Public Health "Guidelines for Community Standard for Maternal/Newborn Screening for Alcohol/ Substance Use

2012 ACOG Committee Opinion # 524 "Opioid Abuse, Dependence and Addiction in Pregnancy"

Overcoming Patient Barriers

Pregnancy Plan Visits

- Fear and Stigma
- Stories
- Education
- DCF Information
- Referrals



Overcoming Patient Barriers

- Rooming in
- NonPharmacologicCare
- Infant Care
- Cuddler Program
- Empowerment





Overcoming Patient Barriers

Finances: Transportation: Car Seat: Diapers: WIC: Other: PREGNANCY AND HOSPITALIZATION	
Transportation: Car Seat: Diapers: WIC: Other:	
Car Seat: Diapers: WIC: Other:	
Diapers: VIC: Other:	
VIC:	
Other:	
PREGNANCY AND HOSPITALIZATION	
55, 00 0440 CS - 1001-0400 CS - 0504-0114-0-0400	
□Schedule a Pregnancy Plan appointment at the Birthplace with Linda Jablonski, RN 413-773-2001 □Date of Appointment:	A review of Neonatal Abstinence Syndrome what it is, how it is diagnosed and treated, and the important role mom's have in carring for their babies Information about Safe Sleep for your baby
Your prenatal appointment will include: Information about substance use and pregnancy and resources available to you and your family Information about healthy pregnancy and	Making a plan for a possible extended hospital stay
prenatal care. Childbirth class options What to expect during your birth and hospital stay A tour of the Birthplace A review of your preferences for your birth and	Comments:

Congratulations on your pregnancy! The purpose of this pregnancy plan is to support you in your goal for a healthy pregnancy and a healthy baby. Pregnancy is an ideal time for women to make good choices about their health and surround themselves with a team of people that will support them and connect them to the resources they need. This plan will develop throughout your pregnancy as you explore the services offered by local health care providers and consider which resources would work best for you. When you are ready, and with your permission, this document will be shared with all the members of the team that you create so we can be sure that you have all the resources you need. Name: Date of Birth: Maiden Name: MY STORY: My Address: People who live with me: My History of Substance Use: Current Use: Current Medications: I have participated in writing this pregnancy plan, have reviewed it and give permission for it to be submitted by Baystate Franklin Medical Center to the Department of Children and Families when filing the 51A report.

Pregnancy Plan

Pregnancy Plan Created by: Linda Jablonski, RNC, MSN • Designed by: Brian Cook, Calm Computing

Options available to help you manage pain during

. The benefits of Breastfeeding your baby

· Guidelines for Rooming-in with your baby

· Mandatory reporting and the role of DCF

your hospitalization

Pregnancy Plan

TEAM MEMBERS: MY FAMILY AND FRIENDS

Family Members

Name: Relationship: Phone Number:

Name: Relationship: Phone Number:

Name: Relationship: Phone Number:

Name: Relationship: Phone Number:

*Indicate which family and friends you wish to list as a reference for DCF to contact.

Friends

Name:

Phone Number:

Name:

Phone Number:

Name:

Phone Number:

Peer Coach

Name:

Phone Number:

DCF Case Worker

Name:



TEAM MEMBERS: HEALTHCARE PROVIDERS

Primary Care Physician:

Name

Phone Number:

Release of information signed:

Letter of support: □

Primary OB/ CNM Provider:

Pioneer Women's Health 48 Sanderson St Greenfield MA 01301

413-773-4400

Release of information signed:

Letter of support: □

Pediatrician:

Name:

Address:

Phone Number: Release of information signed: □

Letter of support: □

MEDICATION ASSISTED TREATMENT PROGRAMS Clean Slate

One Arch Place

6 Arch Street, 3rd Floor Greenfield MA 01301

413-341-1787

Counselor:

Release of information signed:

Letter of support: □

Healthcare Resource Center

177 Shelburne Rd Greenfield MA 01301 413-746-0051

Counselor:

Release of information signed:

Letter of support: □

TEAM MEMBERS: MENTAL HEALTH PROVIDERS

□Clinical and Support Options - Greenfield

1 Arch Place, Greenfield MA 01301 413-774-1000 Therapist/Clinician:

Release of information signed:

□Clinical and Support Options - Athol

491 Main St, Athol MA 01331 978-249-9490

Therapist/Clinician: _____ Release of information signed: □

Center for Human Development - Greenfield

489 Bernardston Road, Greenfield MA 01301 413-774-6252

Therapist/ Clinician:

Release of information signed:

□Center for Human Development - Orange

131 West Main St Suite 101 Orange MA 01364 978-544-2148

Therapist/Clinician:

Release of information signed:

□Service Net

55 Federal St. Greenfield MA 01301

413-772-2935

Therapist/Clinician: ___

Release of information signed:

Other:____

COMMUNITY RESOURCES

RECOVER PROJECT

Peer to Peer Recovery Support 413-774-5489

113-//4-5489

The Salasin Programs

Nurturing Families Parenting Series Family Support 413-774-4307 Family Support Worker

Release of information signed:

Community Action Programs

413-475-1555

Healthy Families, Early Head Start

Home Visitor:

Release of information signed:

Parent Child Development Center

Early Head Start Home Visitor:

Release of information signed: □

NELCWIT

413-772-0806 or 888-249-0806

It Takes a Village (Hill town residents)

Mothers Groups, Home Visits

Home Visitor:

Release of information signed:

Montague Catholic Social Ministries

413-863-4804 Family Life Support

Release of information signed:

REACH

Early Intervention Ages 0-3 413-665-8717

Home Visitor:

Release of information signed:

Criterion-Riverway Early Intervention

413-475-3340

Home Visitor:

Release of information signed:



Pilot Study

- Retrospective Chart Review
- Quasi-experimental Design
- ♦ N=38
- 38 medical records women with SUD
- 19 cases: participated in EMPOWER (6/1/15-1/31/16)
- 19 randomly selected historical controls prior to EMPOWER (6/1/12 - 5/31/15)



Pilot Study

Maternal Outcomes

- Initiation of breastfeeding
- Continuation of breastfeeding
- Initiation of contraception
- Prenatal and postpartum depression
- Number of referrals

Neonatal Outcomes

- Pre-term birth
- Birth weight
- Length of Hospital stay
- Diagnosis of NAS



Maternal Outcomes

Breastfeeding Initiation

	Not EMPOWER n = 19	EMPOWER n = 19	Total n
Initiated breastfeeding Ye N	- F	18 1	32 6
Breastfeeding at discharge Ye		17 2	31 7

Continuation of Breastfeeding at Hospital Discharge

(among those who initiated breastfeeding)

	Not EMPOWER n = 14	EMPOWER n = 17	Total n
Full continuation of breastfeeding	6	12	18
Partial continuation of breastfeeding	8	5	13

Maternal Outcomes

Prenatal Community Referrals

	Not EMPOWER n = 19	EMPOWER n = 19	Total n
Any prenatal referral Yes No	11	17	28
	8	2	10
Recovery coach Yes No	0	14	14
	19	5	24
Residential treatment/detox Yes No	0	3	3
	19	16	35
Mental health provider Yes No	1	4	5
	18	15	33
EI/REACH Yes No	0	3	3
	19	16	35



Newborn Outcomes

Newborn Outcomes

	Not EMPOWER n = 19	EMPOWER n = 19	Total n
Diagnosed with NAS Yes No	6	11	17
	12	8	20
Preterm birth Yes No	2	1	3
	17	18	25

Newborn Outcomes

	Not EMPOWER n = 19 Mean (SD)	EMPOWER n = 19 Mean(SD)
Gestational age at birth (weeks)	39.2 (1.5)	39.3 (1.6)
Birthweight	2963 (533)	3367 (605)
Length of Hospital Stay	7.0 (6.4)	11.4 (8.6)

Opportunities

- Postpartum Support
 - Early Intervention
 - Infant Massage
- Case Management
- Individual Care Collaboration
- Support Groups
- Doula Program
- Prenatal classes
- Follow up for moms and babies
- Re-visit our scope



Keys to Success

- Focus on Patient Experience
- Lived Experience Expertise
- Community Based Model
- Grass Roots
- Leadership
- Strategic Positions
- Addressing Barriers



Questions

Contact Information

Linda Jablonski RNC, MSN Assistant Nurse Manager The Birthplace Baystate Franklin Medical Center Co-Chair Franklin County Perinatal Support Coalition

Linda.jablonski@baystatehealth.org





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EVALUATION LINK

https://www.surveygizmo.com/s3/3529624/93c2b5c34319
Evaluation Code - subuse2

Please follow the instructions below in order to complete an evaluation and claim an MLA Certificate of Credit for your participation.

You have 30 days from the date you completed the course to complete an evaluation and claim credit.

Here are the instructions to receive MLA Credit.

- 1. Go to <u>www.medlib-ed.org</u>.
- 2. Login. If you do not have a current MLANET login, please Register as an MLA guest. After you've set up your MLA account and you're logged in to MLANET, click MEDLIB-ED on the navigation bar to return to MEDLIB-ED.
- 3. Click My Learning on the blue bar near the top of the MEDLIB-ED home page.
- 4. Enter the [code] and complete the attestation and evaluation and claim credit.
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Upcoming Webinar

Just Talk About It: Using Mental Health Education to Prevent & Treat Substance Use Disorder June 12, 2018 3PM-4PM

Carl Antisell, Speaker/Director of Strategic Communications and Information Services for Minding Your Mind

*Registration link http://bit.ly/2HCKCVp

Carl Antisell from the Minding Your Mind (http://mindingyourmind.org) organization will share the story of his journey through addiction to recovery. Carl will discuss what to look for as warning signs of potential mental health issues such as stress, anxiety, depression and crisis. Learn to look beyond the stigma associated with mental health, and use strategies with students, friends and family to address signs of difficulty using vocabulary that invites engagement, empathy, care and respect.