# **iMATter Mobile Health App: A Virtual Environment to Support Opioid Recovery**

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# What is the Problem?

#### **Opioid Use Disorder in the United States:**

Over 2 million Americans struggle with opioid addictions which costs the US \$78.5 billion a year for healthcare, lost productivity, and addiction treatments.

#### **Opioid Use Among Pregnant Women:**

Between 1999 and 2014, the rate for OUD for women at delivery quadrupled, currently at 6.5 per 1,000 deliveries.

Use of opioids during pregnancy puts the baby at risk for a withdrawal syndrome known as Neonatal Abstinence Syndrome, which can cause short- and long-term health complications for a child.

#### **THE PROBLEM:**

Rates of relapse are relatively high, currently at 56% for women who are 6 months postpartum.

#### **Issues with Traditional Recovery Programs:**

Major obstacles faced in recovery programs include:

- High number of appointments to attend, requiring access to transportation
- Lack of social support
- Lack of information access
- Negative stigma placed on those in recovery

### **Solution Overview and Key Features**

iMATter mobile health application moves aspects of traditional recovery into a virtual space and allows users to remain completely anonymous. The key features of iMATter were developed during weekly meetings with both clients and include:

iMATter will provide:

- 24/7 access to social support and information
- Cohort chat rooms that provide users with social support
- Active learning with a learning center that includes videos and educational quizzes
- Surveys to take for providing information to the clients
- Information desk forum where users can ask medical professionals questions



Baby Update: 261 Days

Learning Center

learn and earn points.

Go to Learning Center

37 Weeks and 2 Days

Your baby has developed more dexterity in his

a toe or his nose. -whattoexpect.com

Chat

fingers. He can now grasp onto smaller objects, like

The learning center offers modules you can take to

Calendar

More



### Outcomes

With the iMATter mobile application, pregnant women in recovery for opioid use disorder will:

- Access a scalable mobile application that decreases the need to travel to appointments and improves recovery outcomes.
- Experience higher rates of successful recoveries resulting from access to education and social support

### **Future Work**

As iMATter expands its reach to more users, there are a few important features that should be enhanced:

- Creating a more user friendly and intuitive user interface
- Create a way for social interaction and support between providers (nurses, clinic workers, etc.) and mobile application users to further personalize in-app recovery assistance

# **Final iMATter Mobile Application Product**

Get all-hour access to pregnancy and recovery information and ask workers, nurses, and more



04-05-2020 6:57 PM

Enter message

questions to be answered by clinic Information Desk  $\leftarrow$ MinnieMae Posted at: 04-05-2020 6:37:18 PM Can I breastfeed while taking methadone? I have heard methadone is not good for the baby, is it okay for me to breastfeed?

bja99

Answers:

Clinic Worker Posted at: 04-05-2020 6:39:26 PM

Yes, in fact it is actually encouraged. While breastfeeding on methadone will expose the infant to methadone, the benefits of breastfeeding outweigh the minimal exposure an infant can get. Just make sure that your baby's doctor is monitoring them.

COMMENT



# NORTHERN ARIZONA UNIVERSITY

School of Informatics, Computing, and Cyber Systems

Watch videos and take educational quizzes to help learn about your pregnancy and recovery process

Mothers and Methadone Mod	
Fur	nding for this video is provided by Health Currata through the Drug Treatment Funding Program. The views expressed herein do ot necessarily represent the views of Health Canada.
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