

M♥THer Support for Women with Gestational Diabetes Mellitus

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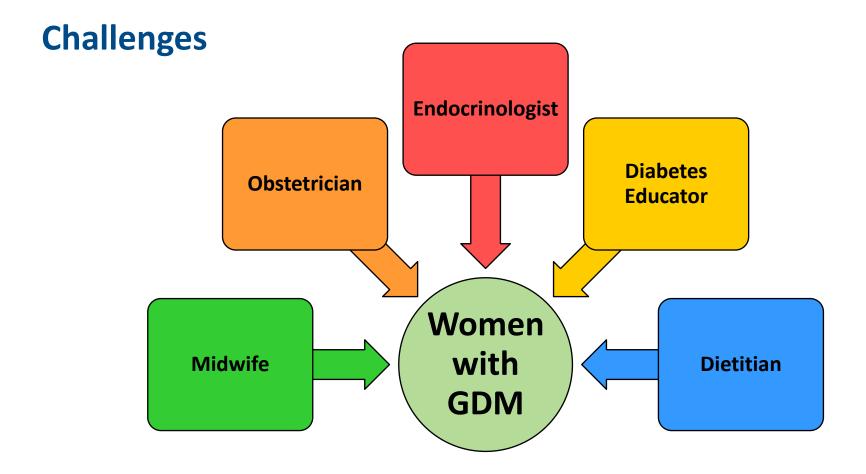


What is the problem?

- GDM is one of the most common medical complications of pregnancy
- Usually occurs around the 24th to 28th week of pregnancy
- Associated with short and long term risks for both mother and baby, especially if blood glucose levels not well controlled
- Incidence of GDM is increasing
- New diagnostic criteria for GDM were introduced in 2014
- At Redland Hospital, 16% of women engaged in Maternity Services are diagnosed with GDM



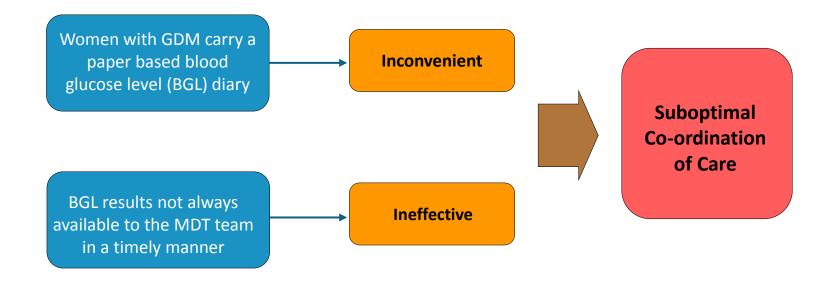








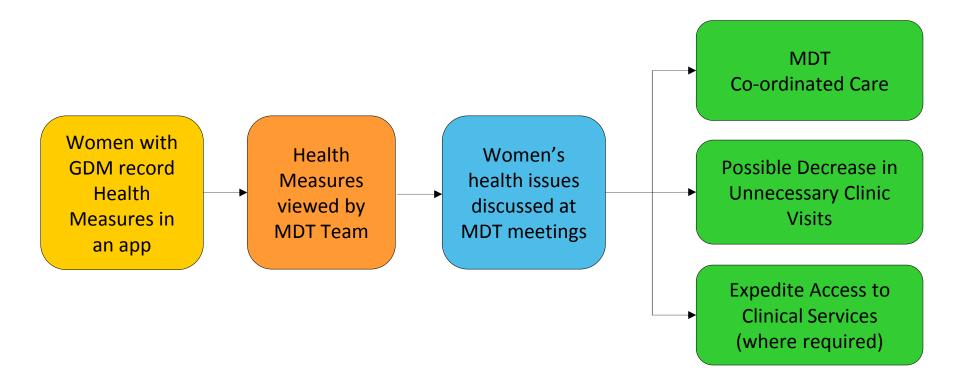
Key problems







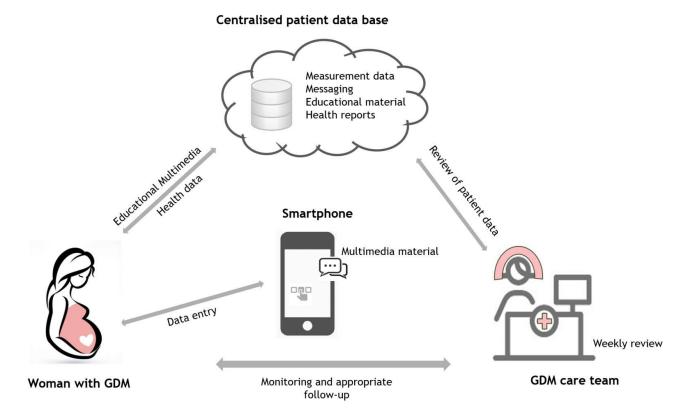
Aims





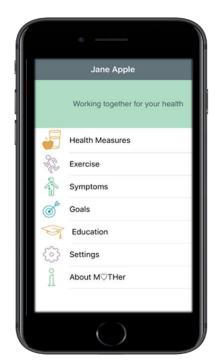


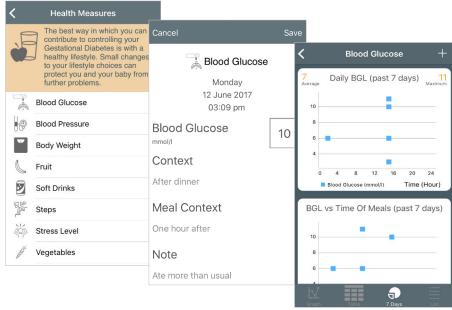
Our solution





Smartphone app – Apple iOS









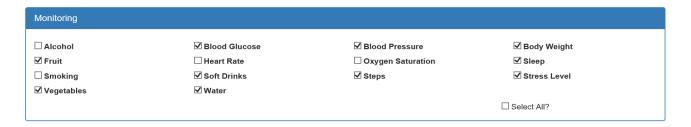


Clinician portal



Create New Patient

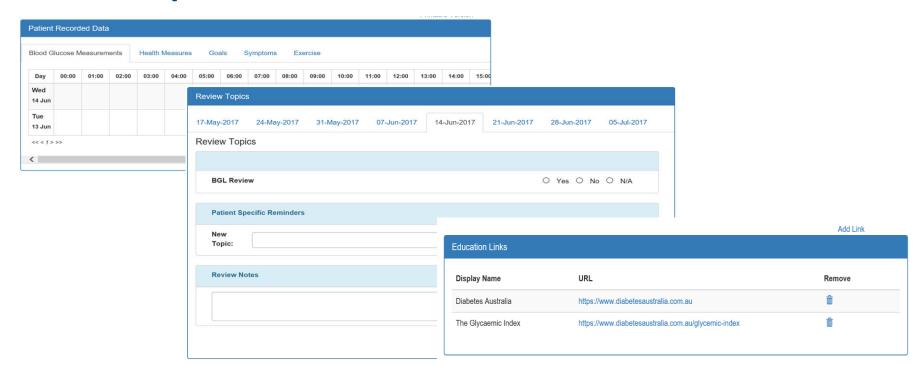








Clinician portal







Redland Feasibility Study (n=40)



Primary outcomes:

User adoption and user satisfaction

Secondary outcomes:

- Number of BGL clinical reviews
- Frequency of antenatal contact
- Occasions of service related to GDM attended by women
- Time to commencement of therapy





Use experiences

"It was easier than writing things down, knowing there was a team monitoring it every week to manage my blood glucose levels"

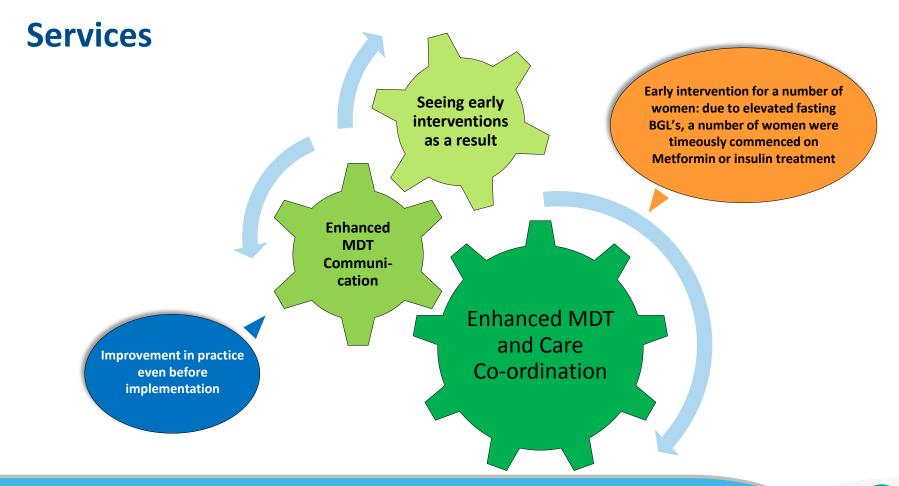
"Online instant recording of my data, reducing the need for paper"

"What I liked most was the convenience of it"

"Easy to use, connection between the app and the monitor, the advice it gave"

"Such a timesaver" "It's so easy to use"









Interest







RN Breakfast

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Gestational diabetes app helps health workers monitor pregnant women

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Thursday 10 May 2018 6:36AM (view full episode)

Gestational diabetes affects one in ten pregnant women and can cause serious complications if it's not managed correctly.

Women who are diagnosed need to modify their diet, take regular exercise and do frequent testing — which can be a burden for already tired and busy mums-to-be.

But a new smartphone app has been trialled to help women manage the condition.



IMAGE: GESTATIONAL DIABETES CAN PUT AN UNBORN BABY RISK, (UNSPLASH: ARTEIDA MJESHTRI)

The app sends data directly to health workers and is already showing promising results.





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New gestational diabetes app designed to help pregnant women



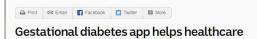


Photo: Shutterstock

A new smartphone app developed by CSIRO's Australian e-Health Research Centre in collaboration with Redland Hospital in Queensland is helping pregnant women and their medical team better manage gestational diabetes.

Diabetes Australia reports more than 200,000 women have developed gestational diabetes during the past 10 years, and that number is expected to grow to a massive 500,000 in the next 10 years.





workers keep a close eye on pregnant women

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AWARDS

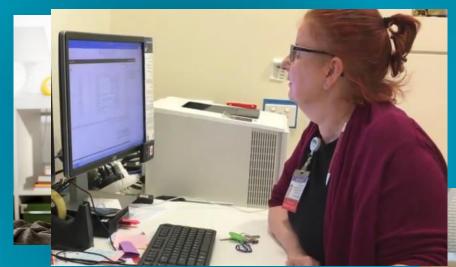
RN Breakfast | By Stephanie Smail Updated Thu at 5:39am



PHOTO: If left untreated, the disease can be deadly and has the potential to cause premature birth, overweight babies and preeclamosia. (Unsolash.com: Janko Ferlic, CC-0)















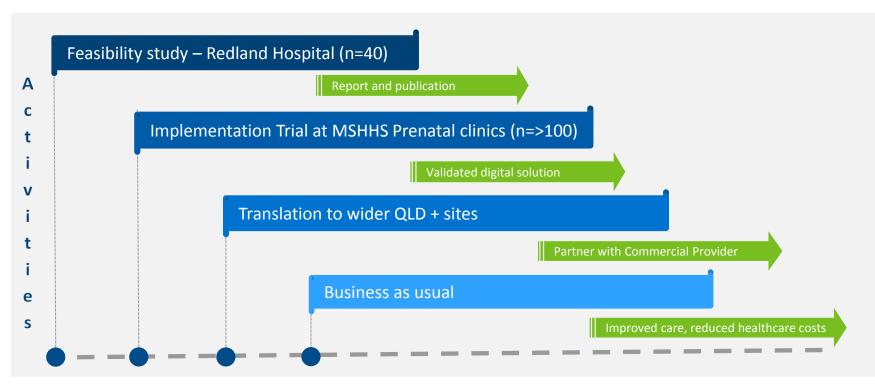








Implementation Pathway







Acknowledgments







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